



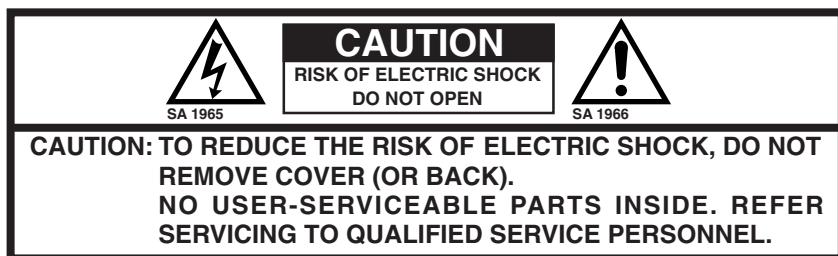
MODEL

**HTM-1990R**

MULTI-FORMAT  
COLOR MONITOR

**SERVICE MANUAL**  
**(FOR FIELD ENGINEER)**

**Ikegami**



The lightning flash with arrowhead inside a triangle is intended to warn the user that parts inside the product are dangerous and may cause electric hazards.



The exclamation mark inside a triangle is intended to inform users that important operating and servicing instructions are provided with the equipment.

**WARNING: FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS (REFER TO SERVICE LITERATURE).**

**DECLARATION of CONFORMITY:**

The "CE" mark means the products as mentioned below will meet the intent of the following Directives and Standards.

Inrush current according to EN55103-1 Annex B is 47.5A.

Directives : 93/68/EEC, 89/336/EEC, 92/31/EEC for EMC (electromagnetic compatibility)  
73/23/EEC for Low voltage (Safety)

Standards : EN55103-1-E4, EN55103-2-E4, EN60950-1

**WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR WATER.**

**Instructions for Disposal of Electric and Electronic Equipment in Private Household**



**Disposal of used Electric and Electronic Equipment  
(Applicable in the European Union and other European countries with separate collection systems)**

This symbol on the product, or in the related documents in the package, indicates that this product shall not be treated as normal household waste. Instead, it should be taken to a proper applicable collection point or depot for the recycling of electric and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent possible negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.

For more detailed information about recycling of this product, please contact your local city authority, your household waste disposal service or the place where you purchased the product.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**CAUTION:**

ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PART RESPONSIBLE FOR COMPLIANCE COULD VOID THE USERS AUTHORITY TO OPERATE THE EQUIPMENT.

# IMPORTANT SAFETY INSTRUCTION

## 1. General

- 1) Read all instructions provided.
- 2) Save these instructions for future use.
- 3) Follow all warnings and instructions marked on the television equipment.
- 4) Never insert objects of any kind into this television monitor through cabinet slots as they may come in contact with dangerous voltage points or short out parts, resulting in fire or electric hazards. Never spill liquid of any kind on the television monitor.
- 5) Do not attempt to service this television monitor yourself as operating or removing covers many expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 6) Do not use attachments not recommended by the television equipment manufacturer as they may result in the risk of fire, electric shock, or injury to persons.
- 7) This television monitor has been preadjusted to meet the respective broadcasting standard signals. So, it cannot be used with the signals of different broadcasting standards.
- 8) When keeping or transporting the unit for a long time, pack it in the supplied carton or equivalent.

## 2. Power supply

- 1) This television equipment should be operated only from the type of power source indicated on the marking label.
- 2) This television equipment is provided with a three-wire grounding type plug with a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet.  
Do not defeat the safety purpose of the grounding-type plug.

- 3) When connecting and disconnecting the power cable, be sure to hold the plug.
- 4) Do not allow anything to rest on the power cord. Do not place this television equipment where the cord will be abused by persons walking on it.
- 5) For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the equipment due to lightning and power-line surges.
- 6) Do not overload wall outlets and extension cords as this can result in fire or electric shock.

## 3. Usage and location

- 1) Do not use this television equipment near water - for example, near a bath tub, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, or the like.
- 2) Do not place this television equipment on an unstable cart, stand, or table. The television equipment may fall, causing serious injury to children and adults, and serious damage to the equipment. Use only with a cart or stand recommended by the manufacture, or sold with the television equipment. Wall or shelf mounting should follow the manufacture's instructions, and should use a mounting kit approved by the manufacture.  
Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



# IMPORTANT SAFETY INSTRUCTION

- 3) Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the monitor and to protect it from overheating, these openings should never be blocked or covered. The openings should never be blocked by placing the television equipment on a bed, sofa, rug, or other similar surface. (This television equipment should never be placed near or over a radiator or heat register.) This television equipment monitor should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
- 4) Avoid operating or placing (keeping) in a hot (+40°C or over) or cold (less than 0°C), high vibration, or dusty place. Avoid operating or placing (keeping) in a place exposed to direct sunlight, otherwise the CRT surface may deteriorate.
- 5) If an image of extremely high brightness is displayed on the screen for a long time, the CRT may get burned in.

## 4. Cleaning

- 1) Unplug this television equipment from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 2) Do not use thinner or benzine for cleaning. Otherwise, the cabinet may deform or the paint may peel away.

## 5. Repair

- 1) Unplug this television monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a. When the power cord or plug is damaged or frayed.
  - b. If liquid has been spilled into the television.
  - c. If the television monitor has been exposed to rain or water.
  - d. If the television does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television monitor to normal operation.
  - e. If the television monitor has been dropped or the cabinet has been damaged.
  - f. When the monitor exhibits a distinct change in performance - this indicates a need for service.
- 2) When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, Electric shock, or injury to persons.
- 3) Upon completion of any service or repairs to this monitor, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.
- 4) For repair service, contact **Ikegami's** authorized sales representative or **Ikegami** service desk directly.

# PRECAUTIONS FOR OPERATIONS

- 1) Never let this unit fall or subject it to strong shock.
- 2) Do not remove the cabinet unless necessary.

High-voltage parts are contained in the cabinet and they are very dangerous if you touch them. Only qualified service engineers are allowed to adjust the internal parts of the cabinet.
- 3) This color monitor has been adjusted to signals conforming to each broadcasting standard.

It cannot be used for signals of different broadcasting standards.  
Be sure to operate the color monitor within the voltage range marked on its back.
- 4) If cabinet or screen is dirty, wipe with soft cloth. At this time, avoid using benzine or thinner.

Otherwise, the paint may peel away.
- 5) Note that, if video signals with high luminance are monitored on the CRT over a long period of time, the CRT may burn in the image.
- 6) Avoid using or storing this unit in the following places:
  - Hot (+40°C or more) or cold (0°C or less) places.

Especially where this unit may be exposed to the direct rays of the sun; the cabinet may deform and the fluorescent screen of the CRT may deteriorate.
  - Humid and dusty places.
  - Places where there is considerable vibration.
  - Places exposed to rain or water.
  - When storing or transporting this unit, pack it in the supplied carton or equivalent.
- 7) If no image can be monitored even after performing user adjustment or the unit appears faulty, do not dismantle this unit by yourself. In such cases, contact the **Ikegami** service desk.
- 8) Should this unit fail within one year after delivery, it will be repaired free of charge unless the malfunction was caused by mishandling or misuse of the user.

However, the fuses are not covered by the warranty.
- 9) The specifications and appearance of this unit may be subject to change for further improvement without prior notice.

## **Precautions Upon Use**

To ensure safe use of this monitor, read this manual carefully, paying particular attention to the following items.

### **1. Do not use any power supply other than the regulation AC power.**

The socket-outlet shall be installed near the equipment and shall be easily accessible.

### **2. Do not subjecting the monitor to strong impact.**

Otherwise, it will result not only in malfunction, but explosion of the CRT as well.

### **3. Avoid use and storage in the following places.**

#### **\* Locations which do not meet the designated ambient temperature**

installing the monitor near equipment generating heat or in cabinets with closed vents causes the internal temperature of the monitor rise, which not only reduces the life of the electrical parts but also causes malfunction.

#### **\* Locations with rain, snow, or excess humidity**

Locationing the monitor in the above conditions will cause malfunction.

#### **\* Strong magnetic fields**

### **4. Avoid exposing the CRT to sunlight**

Subjecting the CRT to direct sunlight for a long period of time deteriorates the florescent faces of the CRT. So avoid use outdoors.

### **5. Avoid exposing to high luminance fixed image for long periods of time**

Take care as this will cause burning of the CRT.

Also avoid displaying remote numbers in the remote entry state (remote numbers are displayed when the wireless remote controller is used) for long periods of time. When not using the wireless controller, set the remote number displayed on the screen to OFF.

## **Guarantee**

Malfunctions occurring in normal use within one year from the date of purchase will be repaired free of charge. This does not apply to the fuses.

If no image is displayed after user adjustment or if malfunction is suspected, contact your nearest Ikegami dealer.

## **Accessories**

This monitor is provided with the following accessories.

Check that none is missing.

1. Operation manual
2. AC cable
3. Remote connector

\* Specifications and external dimensions are subject to change without prior notice.

# 1. MAINTENANCE and ADJUSTMENT

When the specified performance can no longer be obtained with the adjusters on the front panel or when parts have been replaced due to a malfunction, perform adjustment of the following parts.

When adjusting a board inserted into the slot section, use the EXTENDER BOARD (option).

## A. MAIN CHASSIS

- Adjustment procedure ..... 1-A-1
- Block Diagram ..... 1-A-3
- Schematic Diagram ..... 1-A-4

## B. VIDEO SYSTEM

- Outline ..... 1-B-1
- a. MOTHER BOARD
  - Adjustment procedure ..... 1-B-2
  - Schematic Diagram ..... 1-B-3
  - Parts Location ..... 1-B-4
- b. MPU BOARD
  - Adjustment procedure ..... 1-B-6
  - Block Diagram ..... 1-B-7
  - Schematic Diagram ..... 1-B-8
  - Parts Location ..... 1-B-12
- c. VIDEO PROCESS BOARD
  - Adjustment procedure ..... 1-B-13
  - Block Diagram ..... 1-B-19
  - Schematic Diagram ..... 1-B-20
  - Parts Location ..... 1-B-25
- d. RGB OUT BOARD
  - Adjustment procedure ..... 1-B-27
  - Schematic Diagram ..... 1-B-28
  - Parts Location ..... 1-B-29
- e. CRT SOCKET BOARD
  - Schematic Diagram ..... 1-B-30
  - Parts Location ..... 1-B-31

## C. DEF and POWER SYSTEM

- Outline ..... 1-C-1
- a. DEF BOARD
  - Adjustment procedure ..... 1-C-2
  - Block Diagram ..... 1-C-3
  - Schematic Diagram ..... 1-C-4
  - Parts Location ..... 1-C-6
- b. HV OUT BOARD
  - Schematic Diagram ..... 1-C-8
  - Parts Location ..... 1-C-9
- c. POWER EUR BOARD
  - Adjustment procedure ..... 1-C-10
  - Block Diagram ..... 1-C-11
  - Schematic Diagram ..... 1-C-12
  - Parts Location ..... 1-C-13

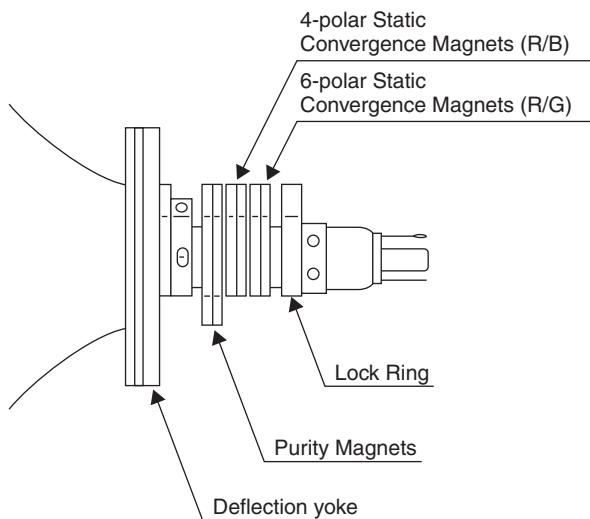
## D. CONTROL SYSTEMS

- Outline ..... 1-D-1
- Block Diagram ..... 1-D-2
- a. FRONT PANEL BOARD
  - Schematic Diagram ..... 1-D-3
  - Parts Location ..... 1-D-4
- b. FRONT LEFT BOARD
  - Schematic Diagram ..... 1-D-5
  - Parts Location ..... 1-D-6
- c. CONTROL/VR BOARD
  - Schematic Diagram ..... 1-D-8
  - Parts Location ..... 1-D-9
- d. LED BOARD
  - Schematic Diagram ..... 1-D-12
  - Parts Location ..... 1-D-13

## A. MAIN CHASSIS

### (1) PURITY adjustment

The purity is adjusted to optimum at shipment.  
Normally, no adjustments are required.  
However perform adjustments if necessary.

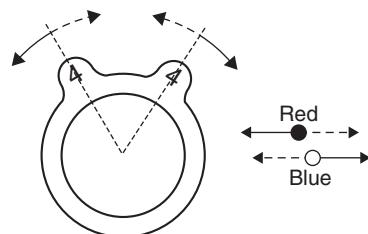


1. Select the flat field using the TEST switch.
2. Demagnetize the shadow mask using the DEGAUSS switch.
3. Set the screen to the green-only raster using the SCREENS switch.
4. Adjust the two purity magnets alternately, so that there are green vertical lines at the center of the screen.
5. While watching the screen, slide the deflection yoke forward so that the screen is an even green color.
6. Repeat for red-only and blue-only.
7. Adjust the purity to optimum using ROTATION.

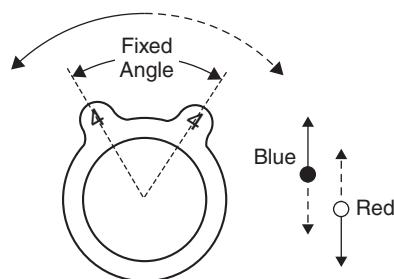
### (2) CONVERGENCE adjustment

Before performing convergence adjustment, allow the monitor to warm up for at least 30 minutes. Select the cross hatch using the TEST switch.

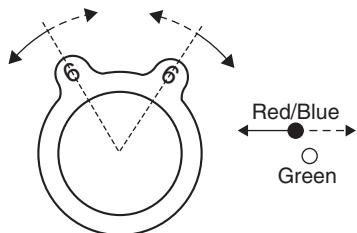
1. Loosen the lock ring.
2. Set to the red and blue screens using the SCREENS switch.
3. Observe the crossed part at the center of the screen. Adjust the angle of the two 4-polar magnets as shown in the figure below to adjust deviation of the red and blue vertical lines.



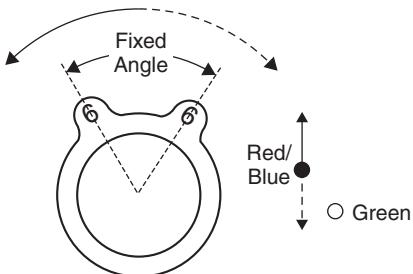
4. While keeping the angle at step 3, rotate the two magnets together and adjust the deviation of the horizontal lines.



5. Set all SCREEN switches to OFF to set the white screen.
6. Adjust the angle of the two 6-polar magnets to adjust the deviation of the red and blue vertical lines, and green vertical lines.



7. While keeping the angle at step 6, rotate the two magnets together and adjust the deviation of the horizontal lines.



8. Tighten the lock ring after completing of the center convergence.

### (3) CRT replacement

The original replaceable CRT has a fixed deflection yoke.

This is no need to readjust the purity and convergence.

1. Remove the four screws fixing the top cover, and remove the cover.
2. Remove the eight screws fixing the right cover and left cover, and remove these covers.
3. Remove the anode cap of the CRT.
4. Remove the CRT SOCKET BOARD from the CRT.
5. Remove the deflection yoke connector (CN901) on the DEF BOARD.
6. Pull out the front panel on the front right side, disconnect the connector and take it out.
7. Disconnect the connector between FRONT LEFT PANEL and DEF BOARD.
8. Remove the four screws fixing the escutcheon, and remove the CRT together with the escutcheon.  
Make sure that the neck of the CRT does not touch the main unit at this time.
9. Place a soft cloth below the escutcheon to prevent it from scratches. Place the CRT on a stable surface with the escutcheon down.
10. Assemble in the reverse procedure of the above from step 9 backwards to step 1.

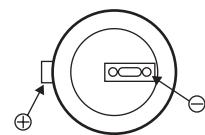
### Re-adjustment after replacing the CRT

1. Adjusting the center of the screen  
Refer to 4.6 (7) of the operation manual.
2. Adjusting the size of the screen  
Refer to 4.6 (9) of the operation manual.
3. Adjusting the focus  
Refer to 4.6 (5) of the operation manual.
4. Adjusting the white balance  
Refer to 4.6 (3) of the operation manual.
5. Adjusting the trapezoid distortion and side pin  
Refer to 4.6 (8) of the operation manual.

### (4) BATTERY replacement

Before replacing the battery, note down the preset data.

1. Set the POWER switch to ON, wait for some time, and set it to OFF. (This charges the backup capacitor.)
2. Remove the MPU BOARD from the leftmost slot on the rear, and replace the battery.  
This setting is held it exchange is able to complete within least four minutes after it turns OFF the POWER switch.
3. Insert the MPU BOARD back into its slot.  
Set the POWER switch to ON, and check that the screen is normal.

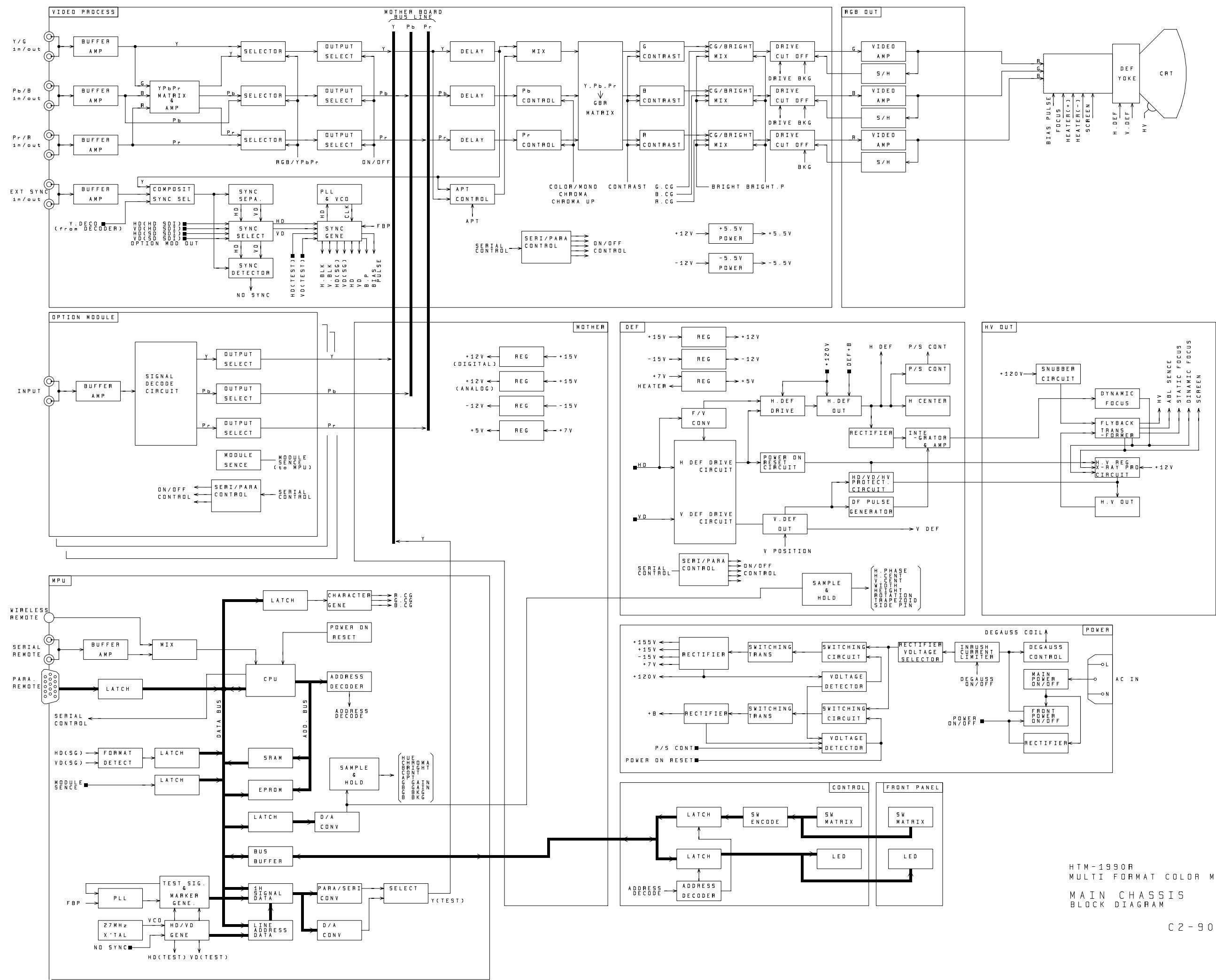


#### **CAUTION**

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

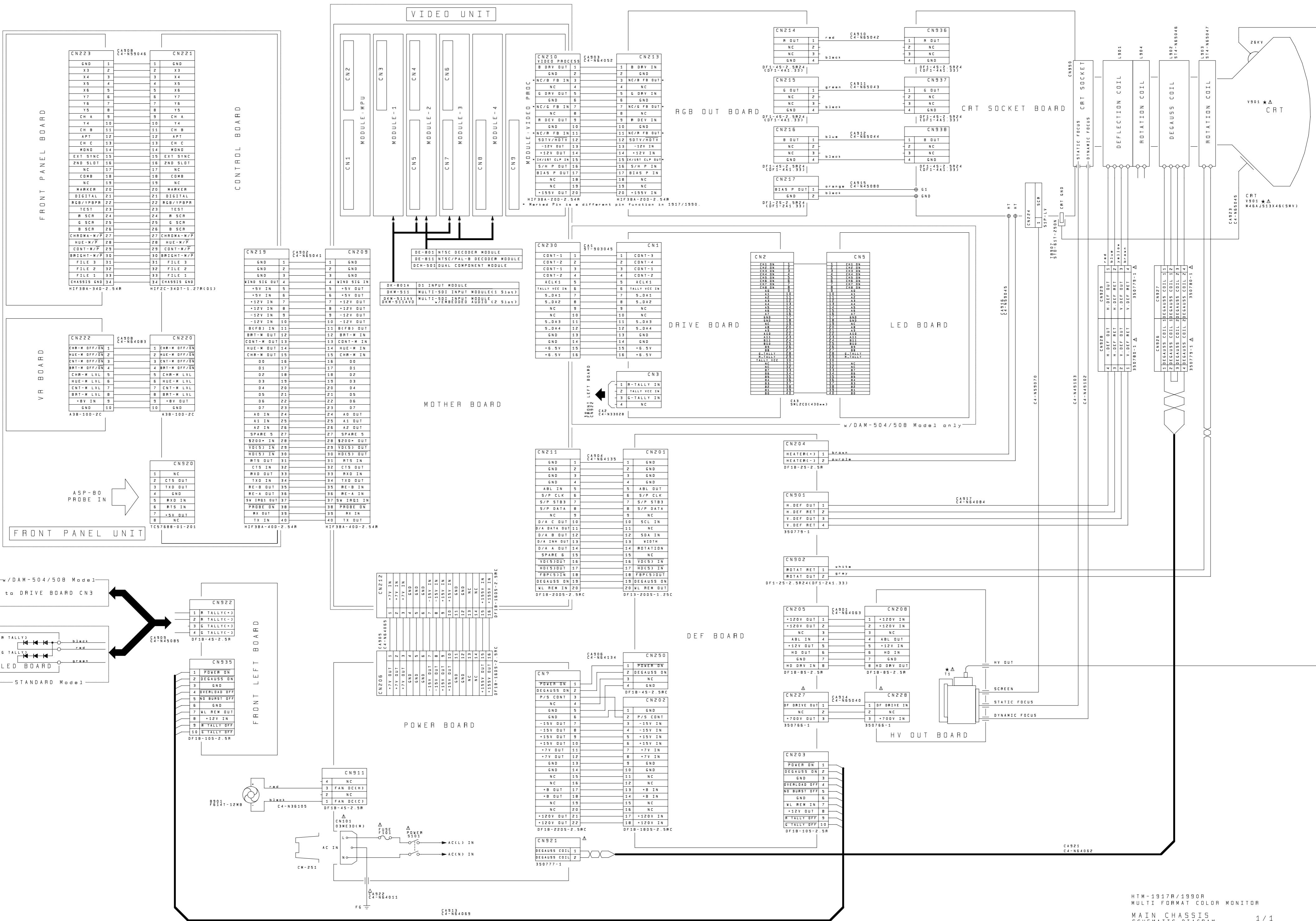


TM-1990R  
ULTI FORMAT COLOR MONITOR  
AIN CHASSIS  
LOCK DIAGRAM 1 /

## LOCK DIAGRAM

1 / 1

1-A-3



HTM-1917R/1990  
MULTI FORMAT COLOR MONITOR  
MAIN CHASSIS  
SCHEMATIC DIAGRAM

## B. VIDEO SYSTEM

### <Substrate>

- MOTHER BOARD
- MPU BOARD
- VIDEO PROCESS BOARD
- RGB OUT BOARD
- CRT SOCKET BOARD

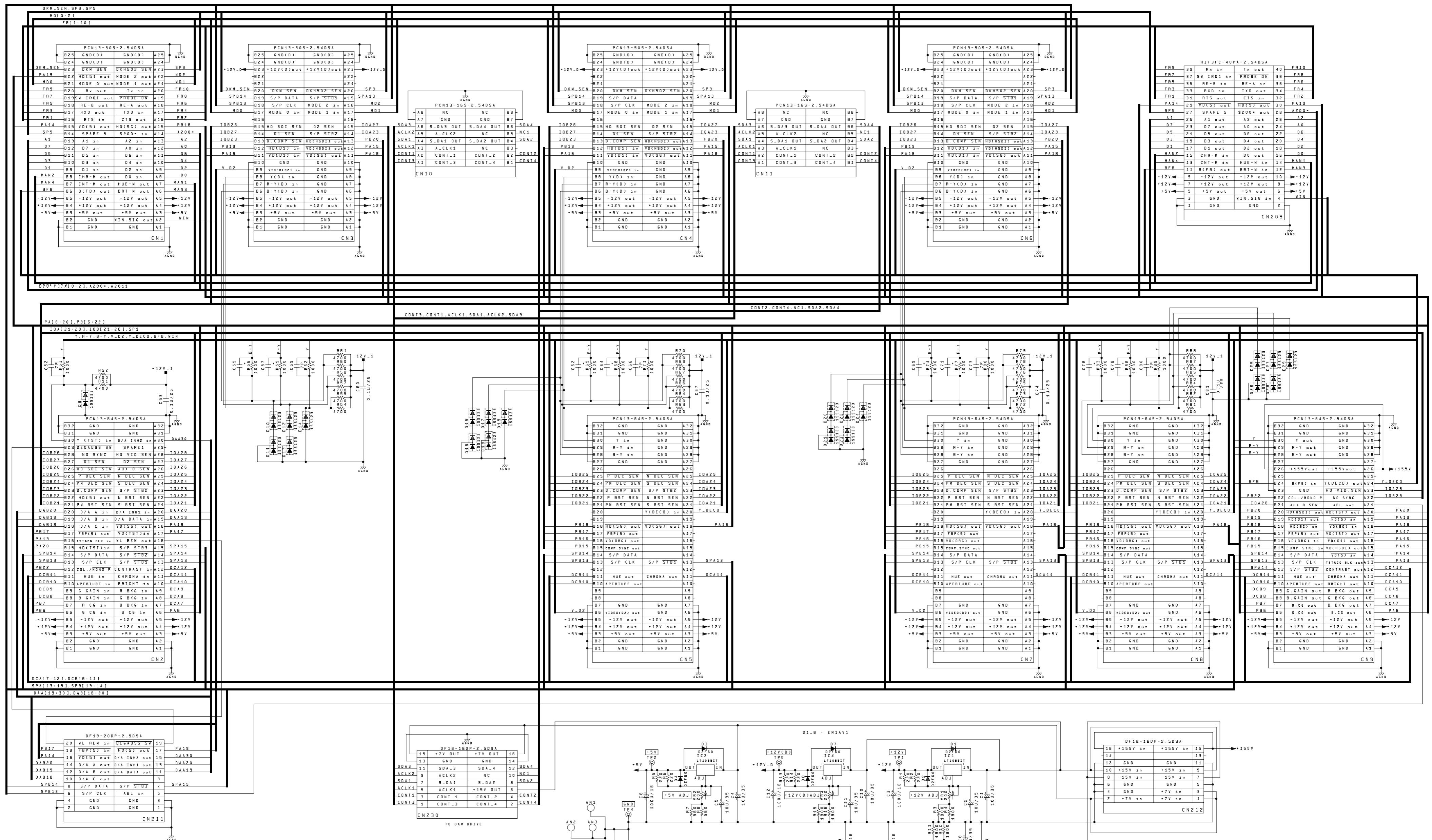
## MOTHER BOARD

### (1) Circuit Structure

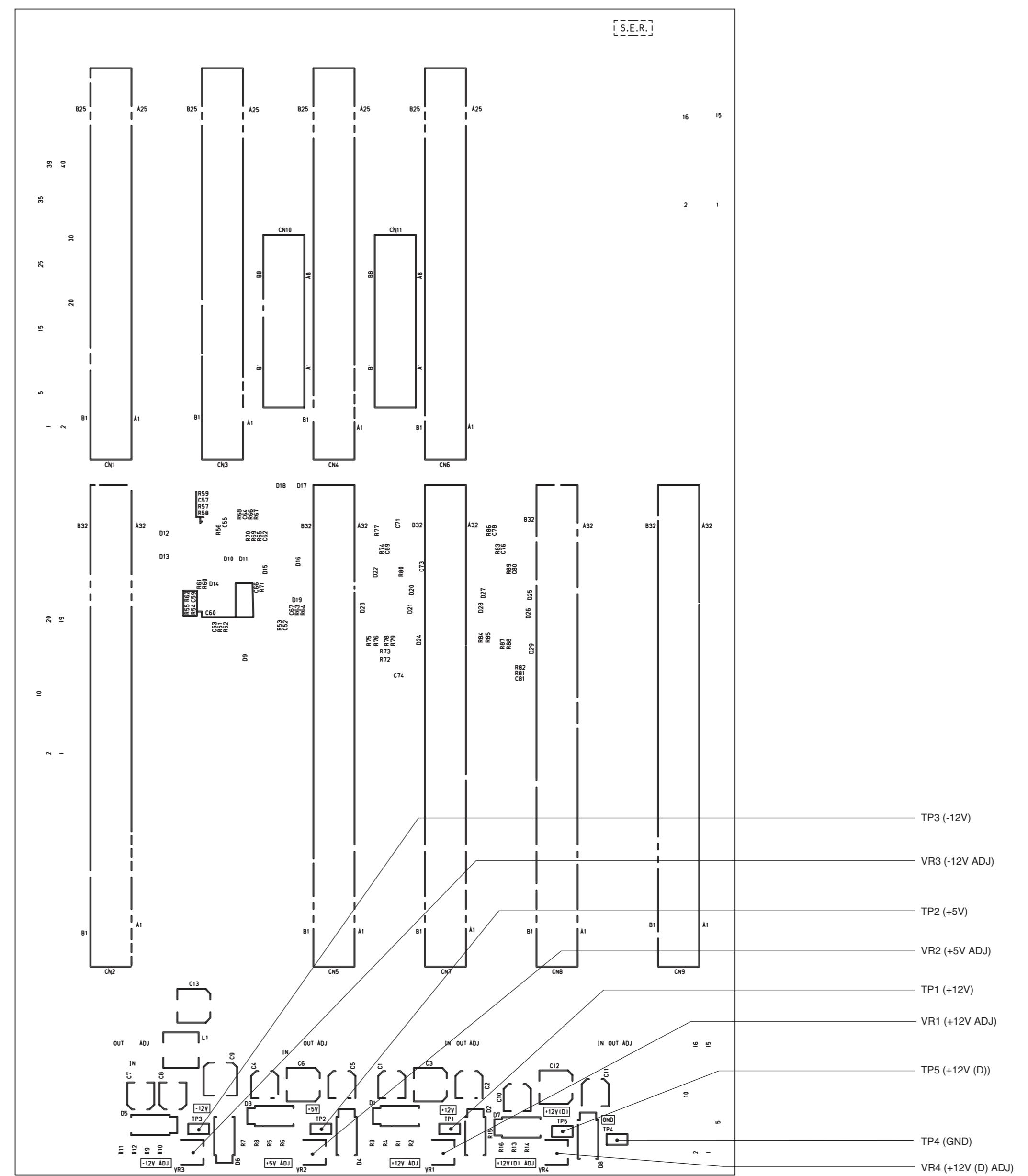
- (a) +12V Power Supply (for analog/digital)
- (b) -12V Power Supply
- (c) +5V Power Supply

### (2) Adjustment Method

- (a) VR1 [+12V ADJ]  
Adjust to  $+12V \pm 0.01V$  for TP1
- (b) VR2 [+5V ADJ]  
Adjust to  $+5V \pm 0.01V$  for TP2
- (c) VR3 [-12V ADJ]  
Adjust to  $-12V \pm 0.01V$  for TP3
- (d) VR4 [+12V(D) ADJ]  
Adjust to  $+12V \pm 0.01V$  for TP4

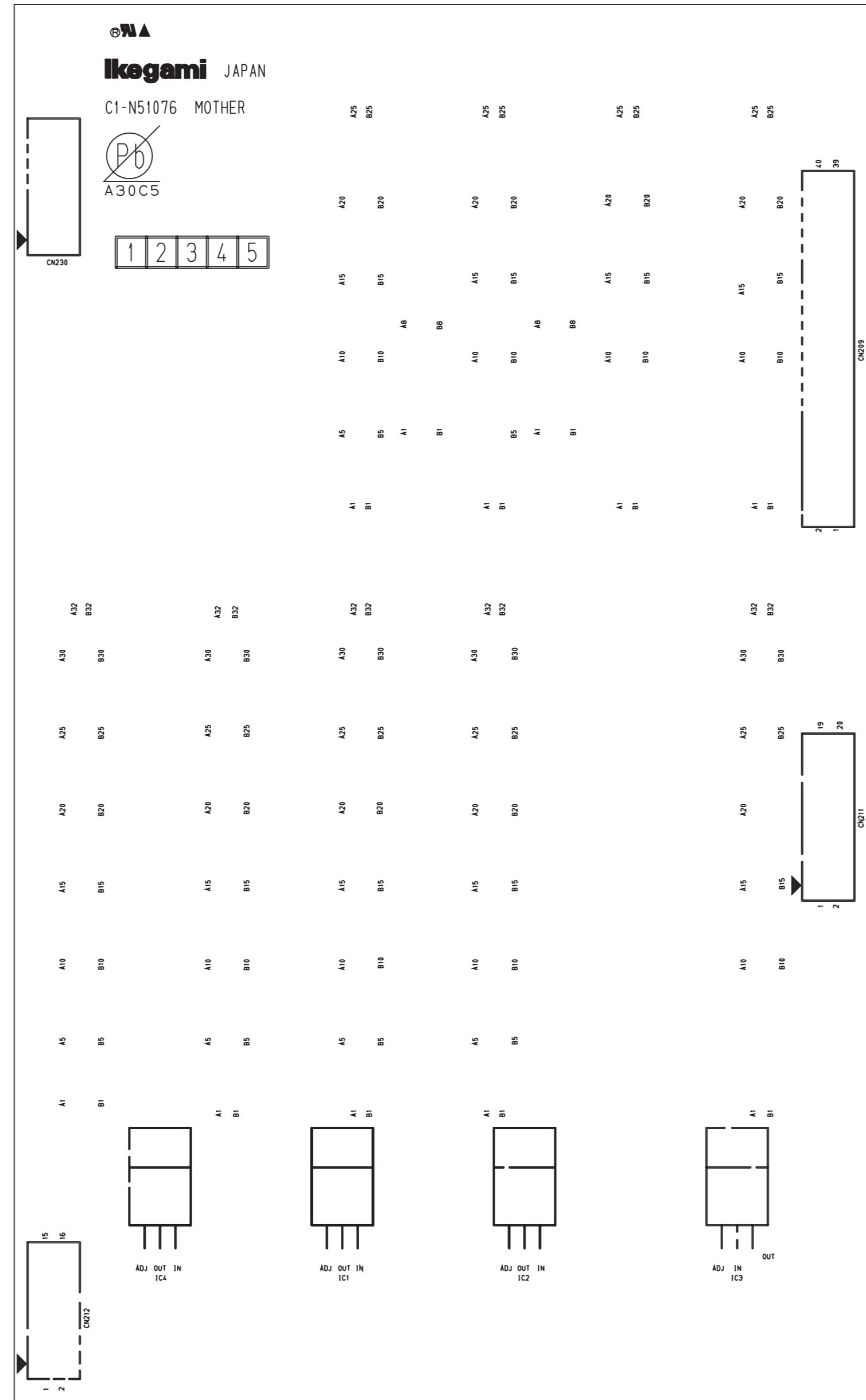


## A SIDE



**MOTHER BOARD  
Parts Location  
C1-N51076**

B SIDE



# MOTHER BOARD

## Parts Location

### C1-N51076

# MPU BOARD

## (1) Circuit Structure

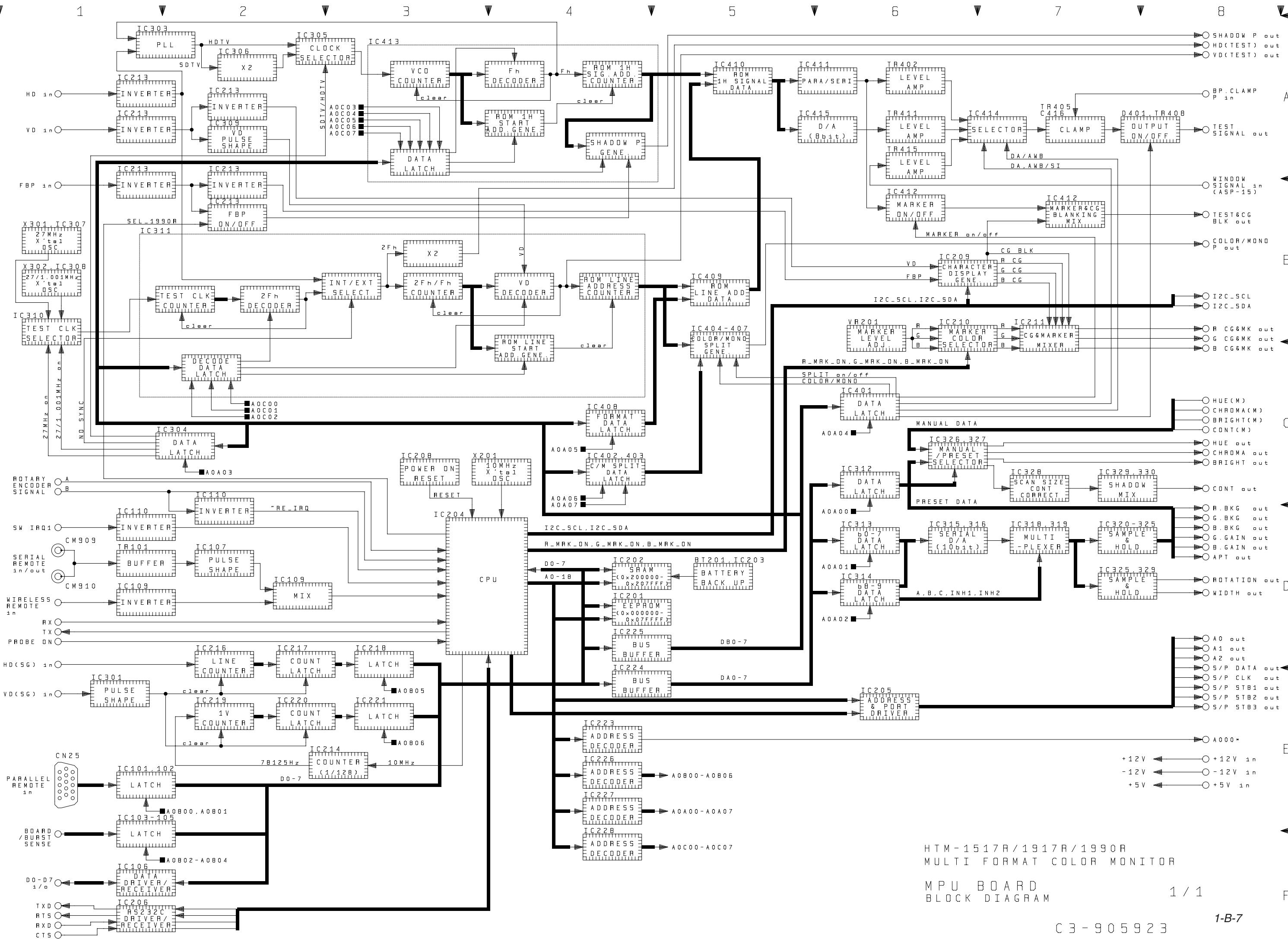
- (a) MPU Circuit
- (b) I/O Circuit
- (c) RAM back up Circuit
- (d) OSD character generator, Marker display color setting Circuit
- (e) D/A, S/H Circuit
- (f) TEST signal, MARKER signal generator Circuit

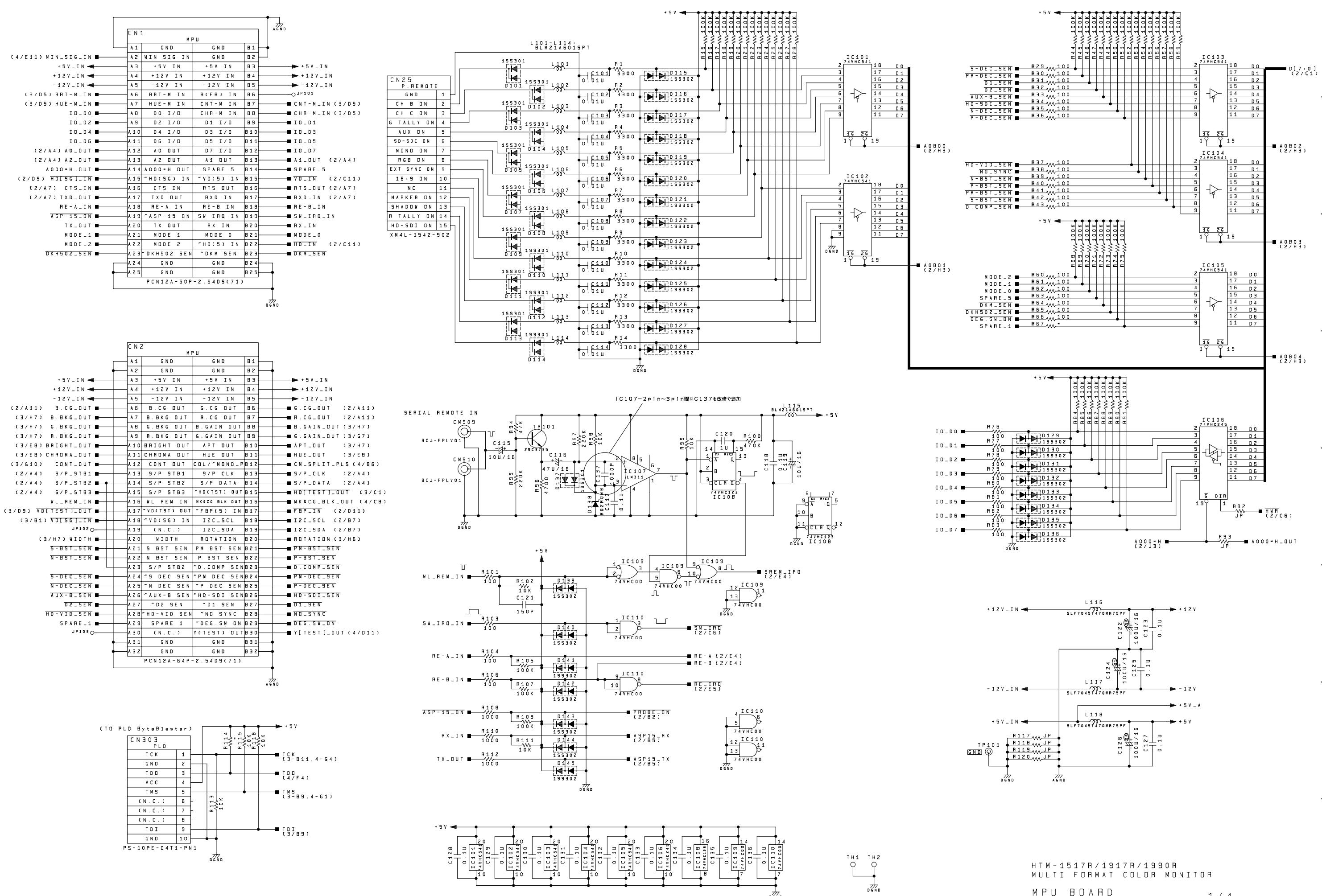
## (2) Adjustment Method

- (a) S201 [DIP Switch]  
S202 [Rotary Switch]
  1. S202 is used for setting monitor varieties.

1990	: HTM-1990R
1917/1517	: HTM1517R/HTM-1917R
CS	: HTM-1517CS
  2. S201 is used to set modes to which monitor responds.

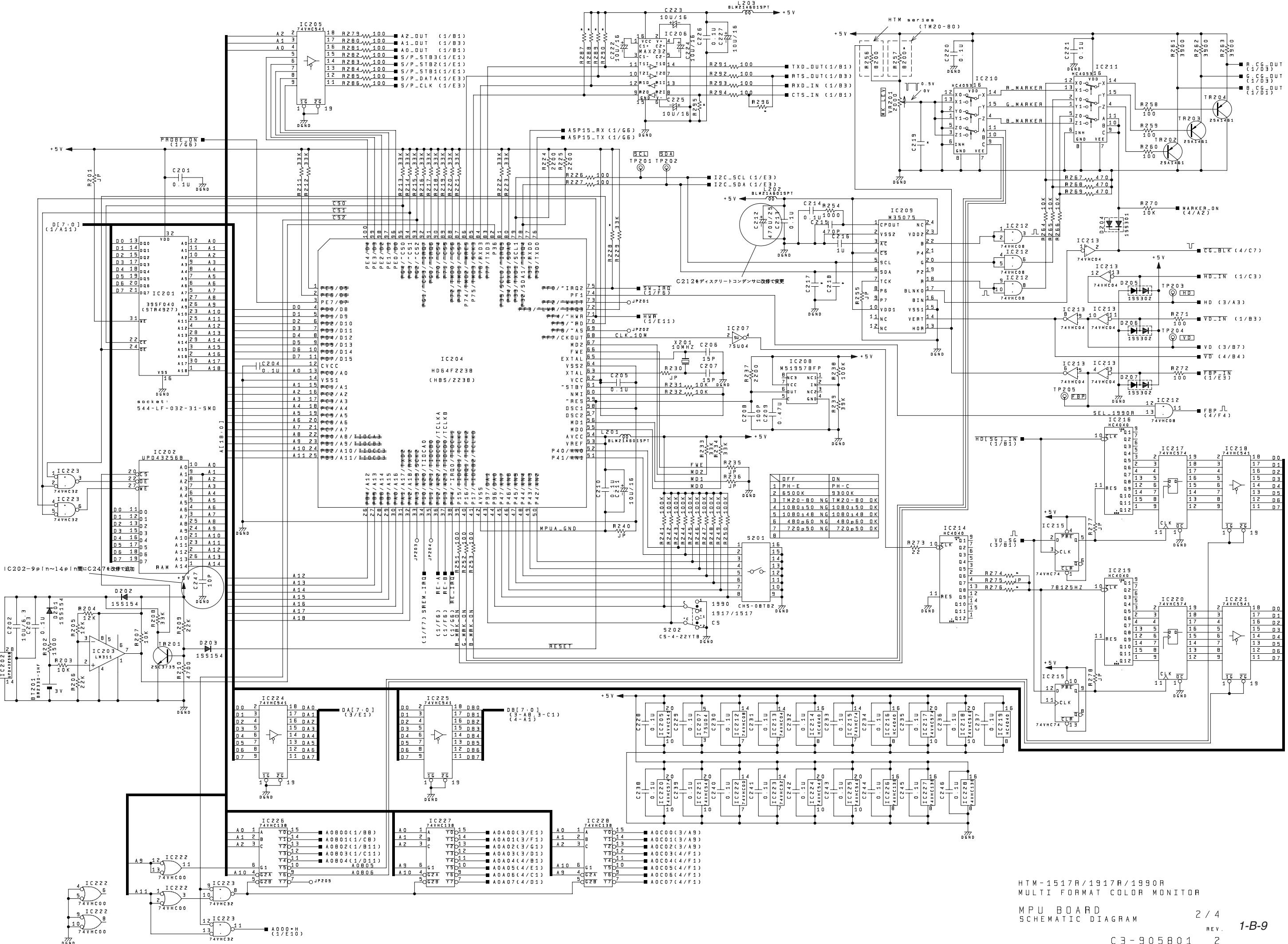
PH-C	: Set default value of quasi-SMTE-C phosphor function SMPTE = ON, P22(EBU) = OFF
9300K	: Not used (set to OFF)
TM20-80	: Not used (set to OFF)
1080i/50	: 1080i/50 format response = ON
1080i/48	: 1080i/48(1080psF/24) format response = ON
480p	: 480p format response = ON
720p/50	: 720p/50 format response = ON
- (b) VR201 [MK LVL]  
VR401 [TEST-S LVL]  
VR402 [DA LVL]
  1. The VR201 is used to adjust the contrast level of the marker. It is usually set in the center.
  2. Turn the marker OFF and display the crosshatch of the internal TEST signal.  
Adjust the VR401 so that the signal level at TP403 is  $1.0 \pm 0.01$ Vp-p.
  3. Switch the internal TEST signal to WINDOW.  
Adjust the VR402 so that the signal level at TP403 is  $1.28 \pm 0.01$ Vp-p.
- (c) VR301 [4:3 U-CONT]  
VR302 [16:9 N-CONT]  
VR303 [16:9 U-CONT]
  1. Input the WINDOW(100%) signal from TEST Generator.  
Adjust the CONTRAST level so that the value is  $120\text{cd}/\text{m}^2$  during 4:3 NORMAL SCAN Display.  
Adjust VR301 so that the value is  $120\text{cd}/\text{m}^2$  during 4:2 UNDER SCAN Display.  
Adjust VR302 so that the value is  $120\text{cd}/\text{m}^2$  during 16:9 NORMAL SCAN Display.  
Adjust VR303 so that the value is  $120\text{cd}/\text{m}^2$  during 16:9 UNDER SCAN Display.
- (d) VR403 [WIND LV]  
Adjustment not necessary.

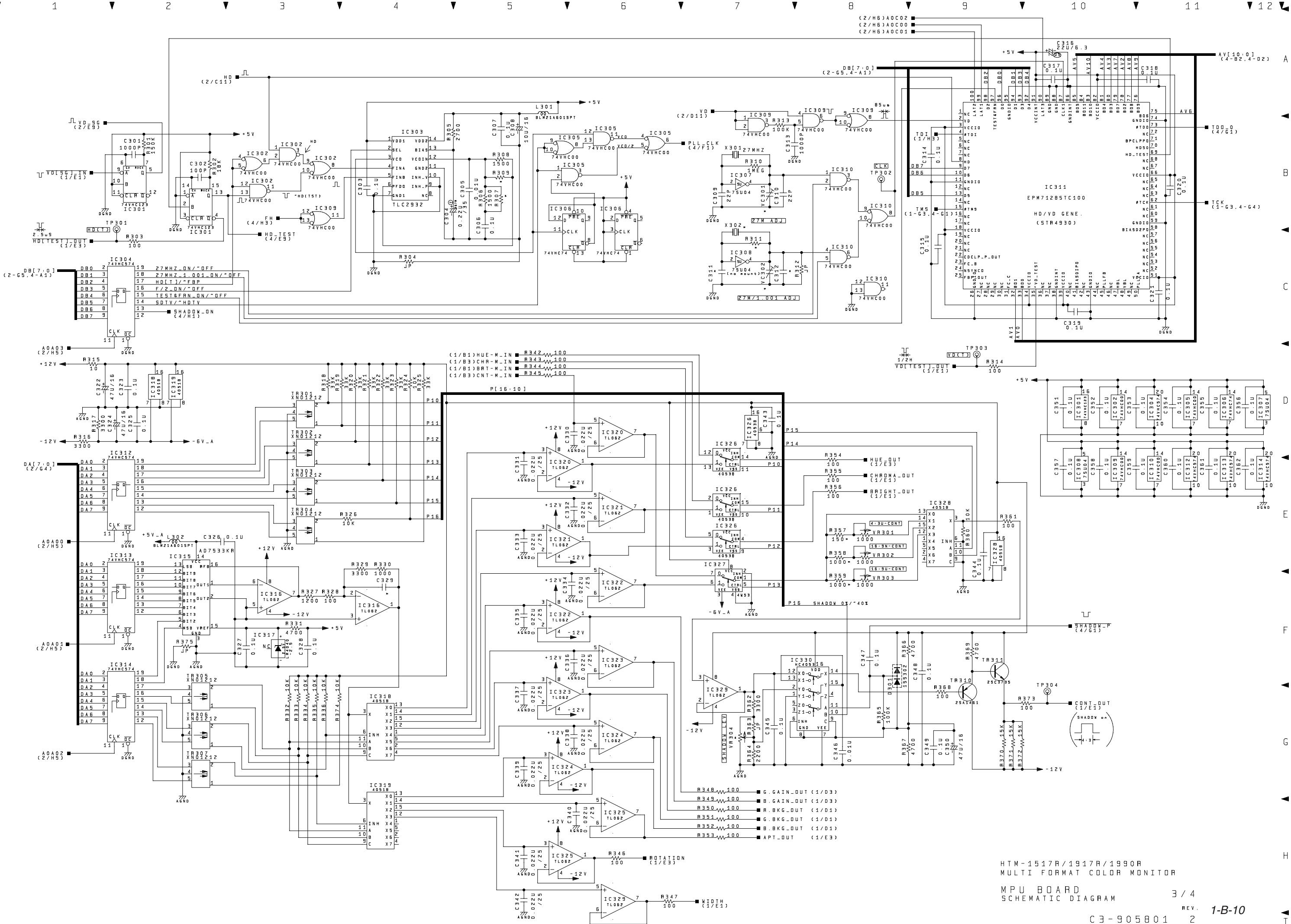


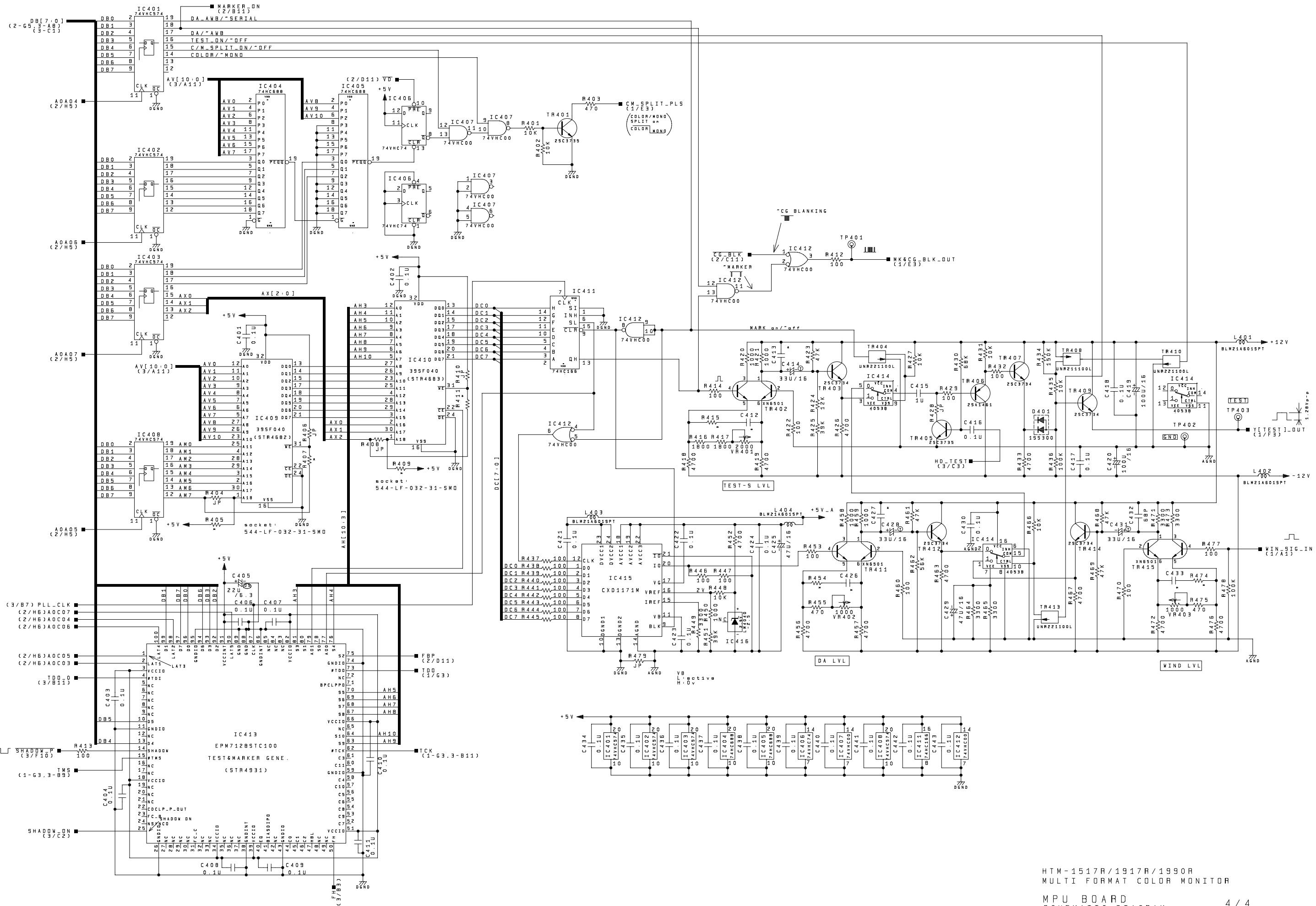


HTM-1517R/1917R/1990R  
MULTI FORMAT COLOR MONITOR

# **MPU BOARD SCHEMATIC DIAGRAM**







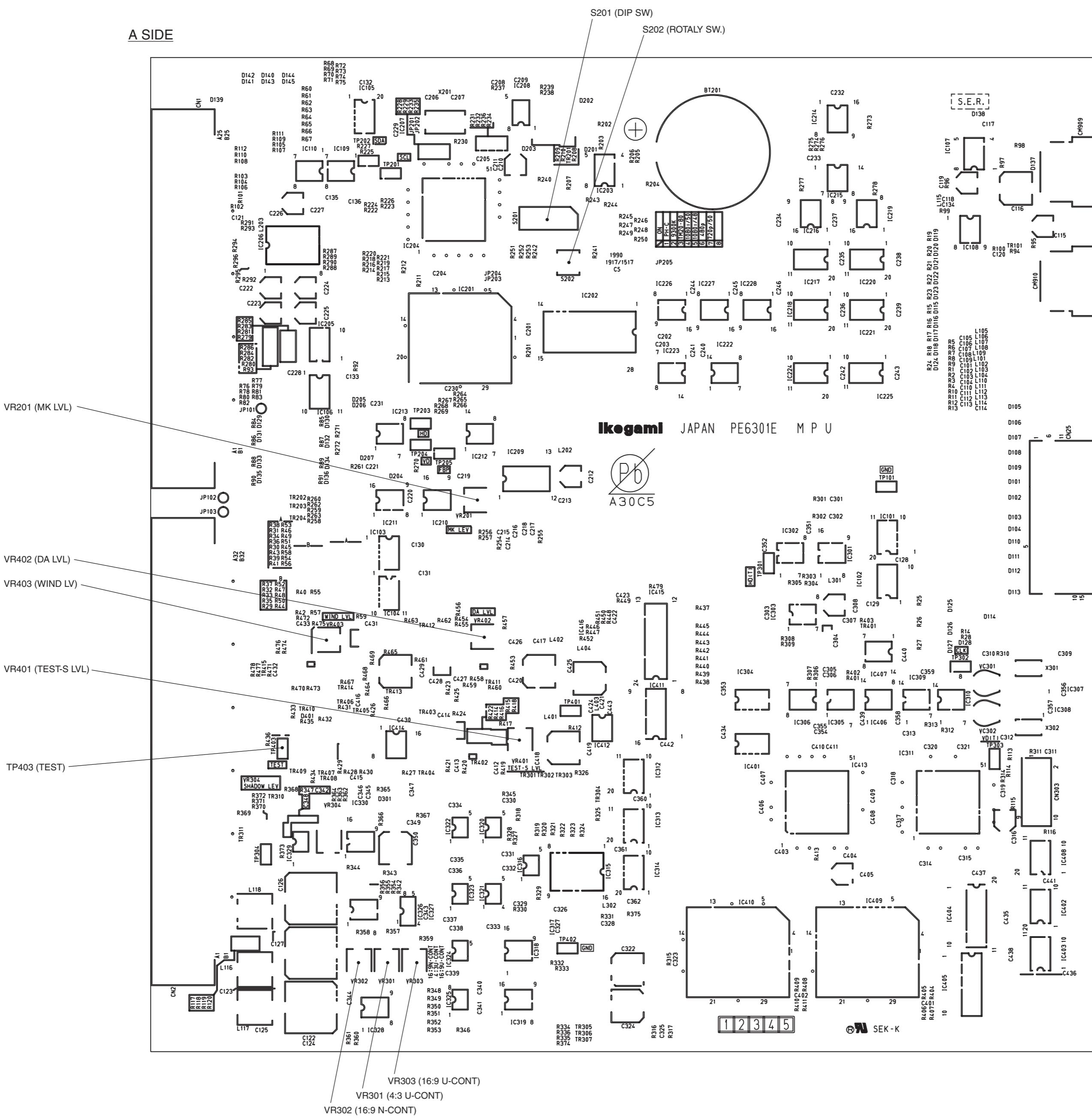
HTM-1517R/1917R/1990R  
MULTI FORMAT COLOR MONITOR

MPU BOARD  
SCHEMATIC DIAGRAM

4 / 4

REV. 1-B-11

C 3 - 905801 2



# MPU BOARD

## Parts Location

### PE6301E

# VIDEO PROCESS BOARD

## (1) Circuit Structure

### <Power Supply System>

- (a)  $\pm 5.5V$  PC/DC Converter

### <VIDEO system>

- (a) YPbPr/RGB Analog Component Input
- (b) RGB → YPbPr Matrix
- (c) YPbPr BUS I/F
- (d) Chroma (PbPr) Level Control
- (e) YPbPr → GBR Matrix
- (f) Contrast Level Control
- (g) Character Mix/Brightness Pulse Mix
- (h) Gain Control/Cut-off Control
- (i) Aperture
- (j) ABL Control

### <SYNC system>

- (a) External Sync System
- (b) Sync Separator
- (c) PLL-VCO
- (d) Sync Process
- (e) G1 Drive

### <CONTROL system>

- (a) Serial → Parallel I/F

## (2) Adjustment Method

- \* Unless otherwise indicated, Input signal is HDTV and connected to YPbPr analog component. For HDTV, there is 100% color bar (SMPTE274M), and for SDTV there is SMPTE color bar.
- \* The figures are images and differ from the actual signals.

### <Power Supply System>

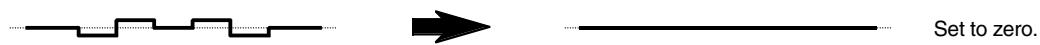
- (a) TP2 [+5.5V]  
Confirm in the range of  $+5.5 \pm 0.2V$ .
- (b) TP3 [-5.5V]  
Confirm in the range of  $-5.5 \pm 0.2V$ .

### <VIDEO System (YPbPr signal adjustment)>

- (a) VR305 [PB CONT NULL]

VR505 [PR CONT NULL]

For the test points TP306 (PB-2), TP506 (PR-2), Adjust the Pb and Pr signal leak to zero for monochrome with the COLOR/MONO switch on the front panel.



- (b) VR753 [CHR O/S]

For TP306 (PB-2), TP506 (PR-2), Adjust the Pb and Pr signal leak to zero when manually setting the chroma volume on the front panel to min. The procedure is the same as the adjustment method for VR305/VR505.

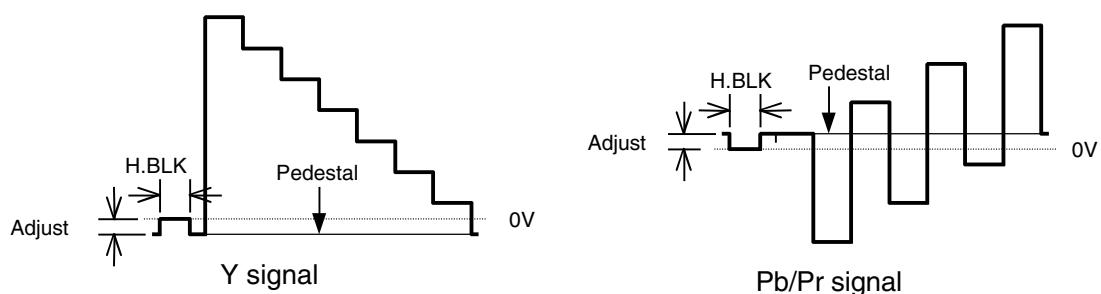
Note: Be sure to adjust VR305 and VR505 beforehand.

(c) VR104 [Y BIAS]

VR304 [PB BIAS]

VR504 [PR BIAS]

For the test points TP107 (Y-3), TP306 (PB-3), TP507 (PR-3), the pedestals of the signals and the potential of the H.BLK are the same.



(d) VR306 [PB SPRIT O/S]

VR506 [PR SPRIT O/S]

Keep the COLOR/MONO switch on the front panel depressed, CRT screen is the Color/Mono split mode. Adjust the pedestal brightness difference to the minimum value, using VR306 for blue and VR506 for red when the SCREEN Switch has been used to set to the single color of blue or red.

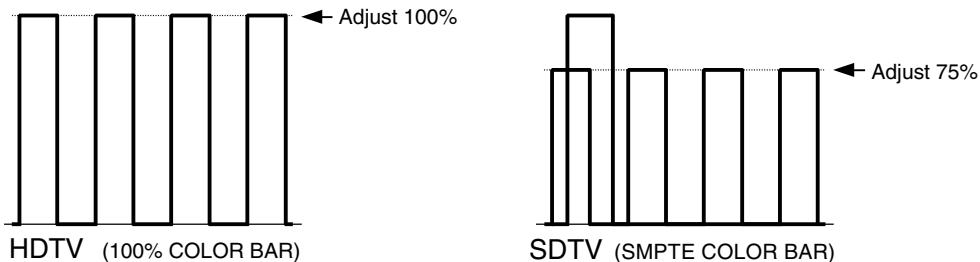


#### <VIDEO System (RGB signal adjustment)>

(a) VR401 [HD B BAL]

VR402 [SD B BAL]

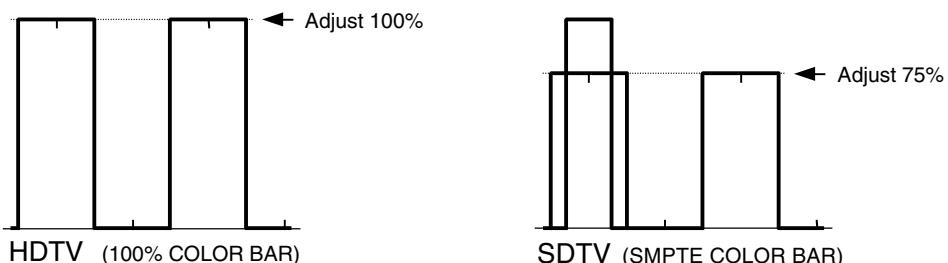
For TP401 (B-1), Adjust the blue matrix of HDTV and SDTV when the chroma preset data is 50%.



(b) VR603 [HD R BAL]

VR604 [SD R BAL]

For TP601 (R-1), Adjust the red matrix of HDTV and SDTV when the chroma preset data is 50%.



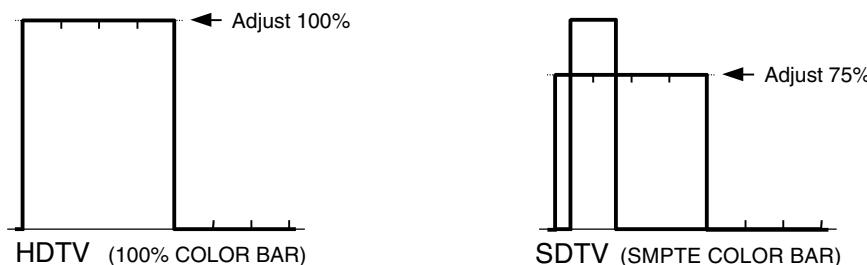
(c) VR201 [HD GB BAL]

VR203 [HD GR BAL]

VR202 [SD GB BAL]

VR204 [SD GR BAL]

For TP201 (G-1), Adjust the green matrix of HDTV and SDTV when the chroma preset data is 50%.

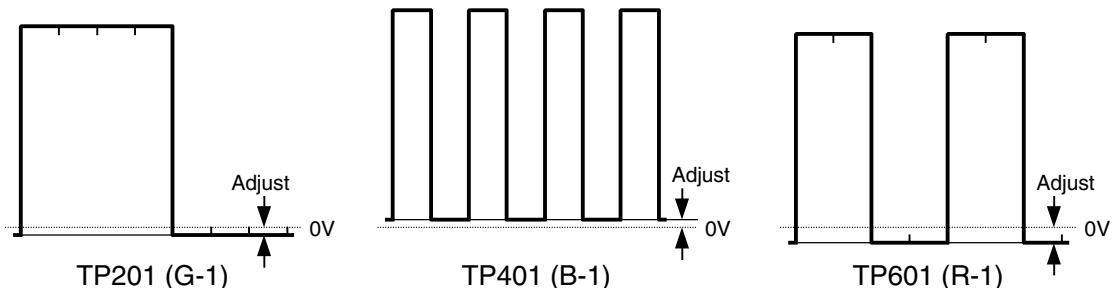


(d) VR205 [G O/S]

VR405 [B O/S]

VR605 [R O/S]

For the test points TP201 (G-1), TP401 (B-1), TP601 (R-1), Adjust the pedestals of the signals to 0V.

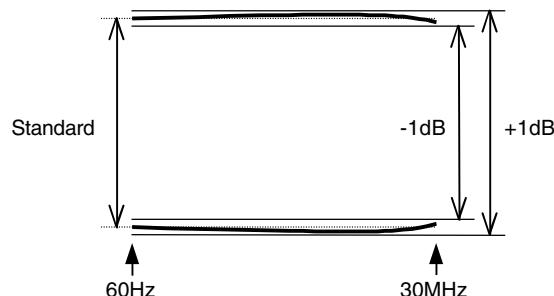


(e) VC201

VC401

VC601

For the test points TP201 (R-1), TP401 (B-1), TP601 (R-1), Input the sweep signal to Y and adjust the Frequency Characteristic to within  $\pm 1\text{dB}$  up to 30 MHz .

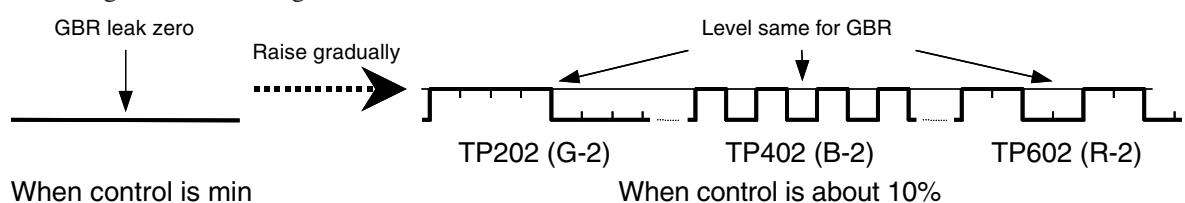


(f) VR207 [CONT O/S-G]

VR407 [CONT O/S-B]

VR607 [CONT O/S-R]

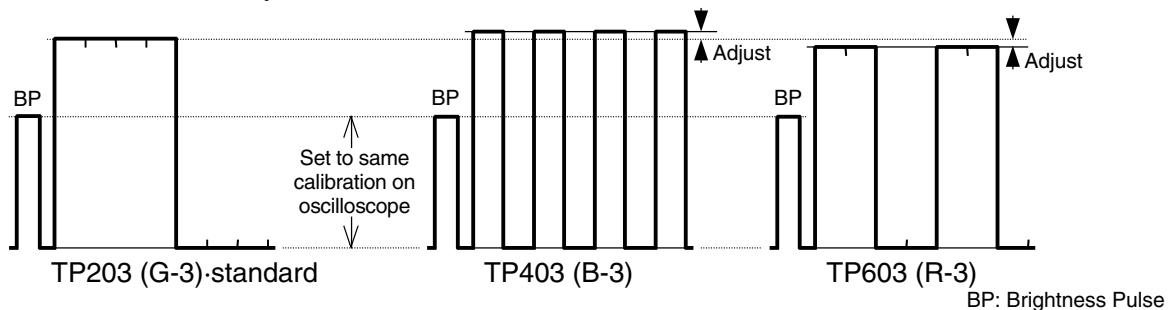
For the test point TP202 (G-2), TP402 (B-2), TP602 (R-2), Adjust the values so that there is no leakage for the GBR signals when the contrast control is adjusted manually to min. Adjust the same level for the level change of the GBR signals when the contrast control is set to about 10%.



(g) VR406 [B LVL]

VR606 [R LVL]

For TP403 (B-3) and TP603 (B-3), Adjust the level of the Bch and Rch video signals so that it is the same ratio as the level of the brightness pulse (BP) and the video signal of TP203 (G-3) when the brightness control is set manually to min.



BP: Brightness Pulse

- \* Adjust the same level of the brightness pulse of TP203 (G-3), TP403 (B-3), TP603 (R-3) with calibration of the oscilloscope and set to the same level as the video signal with VR406 [B LVL] and VR606 [R LVL].

(h) VR751 [BRT O/S]

For brightness preset (70%), Adjust so that the pluge waveform 0% section is cut off.

(i) VR608 [R GAIN]

Adjust the video level to 50Vp-p for TP3 (Rch) of the CRT SOCKETR BOARD when the contrast control (16:9 screen) is maximum.

### <VIDEO System (Quasi-SMPTE Matrix Circuit)>

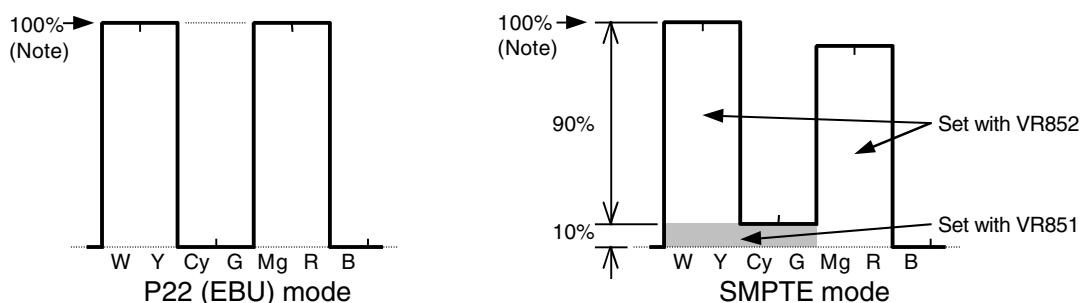
\* Function for lowering the Rch signal level to 90% and mixing the signal from Gch 10% to Rch to change the green coordinate axis slightly toward red to approach the color of the SMPTE phosphor if item 7 of the MENU-1 screen is switched to SMPTE mode. The Rch level after mixing becomes  $90+10=100$  and the white level of the color bar does not change visually. The P22 (EB mode in standard condition passes without mixing signals. The setting value is a numerical value in relation to the standard condition.

(a) VR851 [G MIX]

For TP602, Adjust Gch signal to 10%.

(b) VR852 [R MIX]

For TP602, Adjust Rch signal to 90%.



Note: Input the 100% white signal, so that the white balance does not change on the CRT screen even if the modes (P22, SMPTE) are switched.

### <VIDEO System (RGB component input)>

\* Set the component input on the MENU-1 screen to RGB mode.

\* Input is the RGB 100% color bar signal.

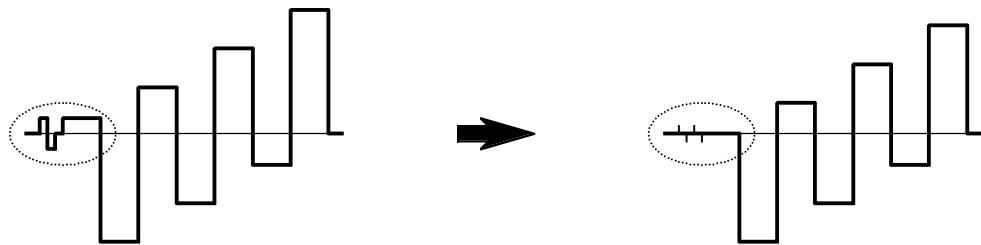
(a) VR103 [Y LVL]

For TP103 (AUX Y), Adjust the Y signal to 1.3 Vp-p.

(b) VR301 [HD B MIX]

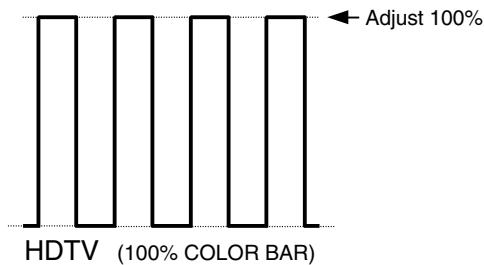
VR302 [SD B MIX]

For TP301 (CONV PB), Adjust the leak (○ in figure) to zero on Pb signal for HDTV (VR301) and SDTV (VR302).



(c) VR303 [PB LVL]

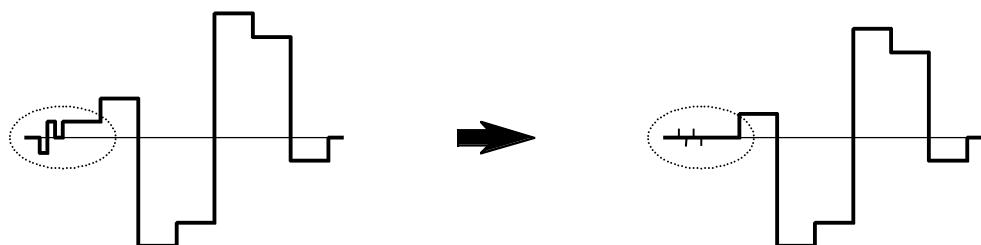
For TP401 (B-1), Adjust the blue matrix for the RGB color bar signal of the HDTV.



(d) VR501 [HD R MIX]

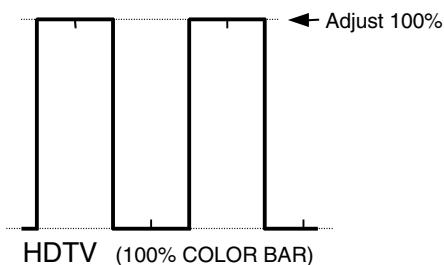
VR502 [SD R MIX]

For TP501 (CONV Pr), Adjust the leak (○ in figure) to zero on Pr signal for HDTV (VR501) and SDTV (VR502).



(e) VR503 [PR LVL]

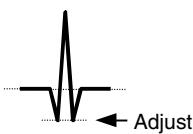
For TP601 (R-1), Adjust the red matrix for the RGB color bar signal of the HDTV.



### <VIDEO System (APT Circuit)>

#### (a) VR701 [EDGE BAL]

For TP701 (EDGE), Input the 2T pulse signal and Adjust edge level to same level.



#### (b) VR702 [EDGE NULL]

For TP701 (EDGE), Adjust the leak to zero of the DC section (example: level sections such as color bar signal, etc.) of the Y signal.



#### (c) TP106 [Y-1]

Turn the APT switch on the Front Panel to ON and confirm that the edge signal is superimposed. Also change the preset data and confirm that the level changes.

Note: The boost frequency is different for HDTV and SDTV when the analog component is input.

- HDTV : Approx. 16.6MHz
- SDTV : Approx. 4MHz

#### (d) VR752: BF LMIT

### <SYNC System>

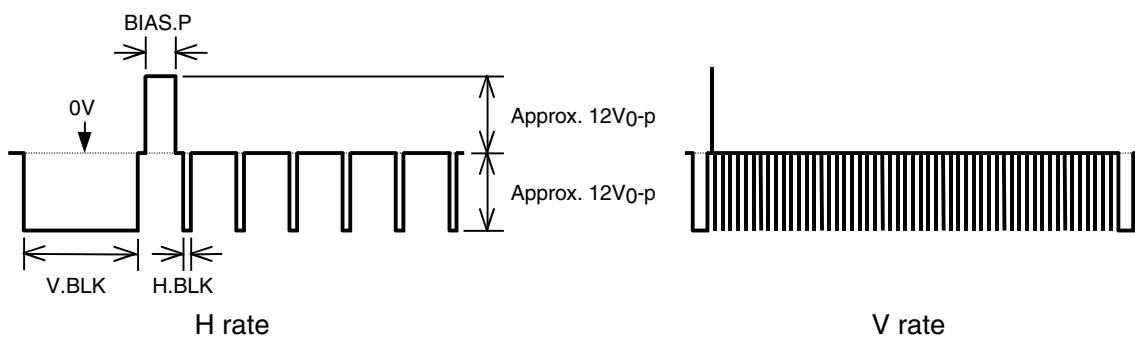
#### (a) TP905 [CLK1]

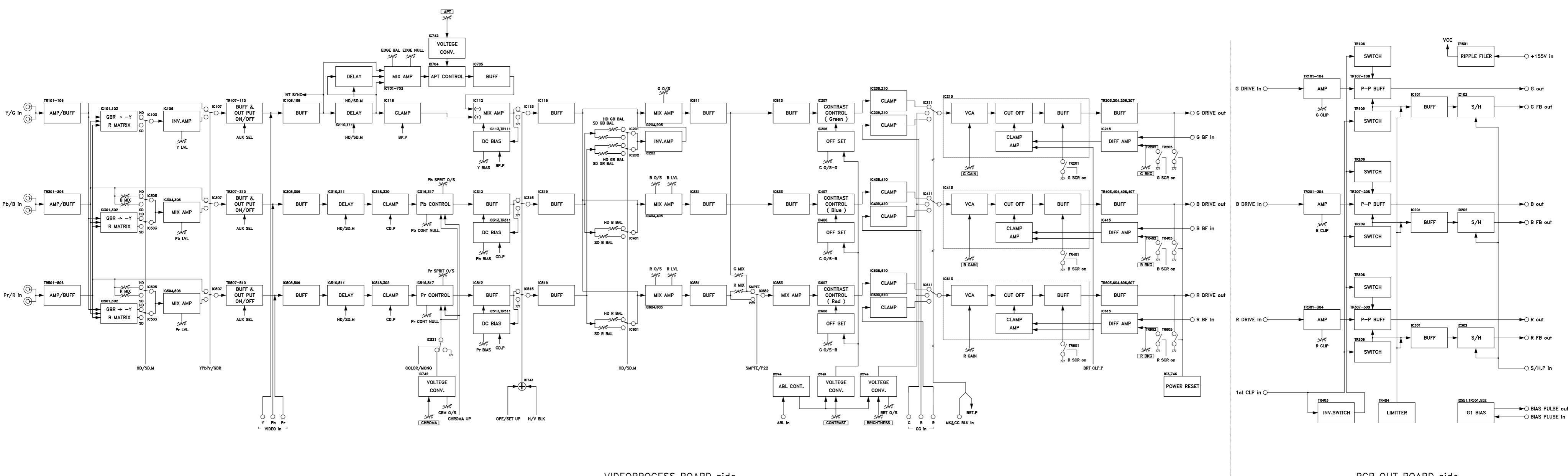
#### TP906 [CLK2]

The clock frequency is about 13.5 MHz.

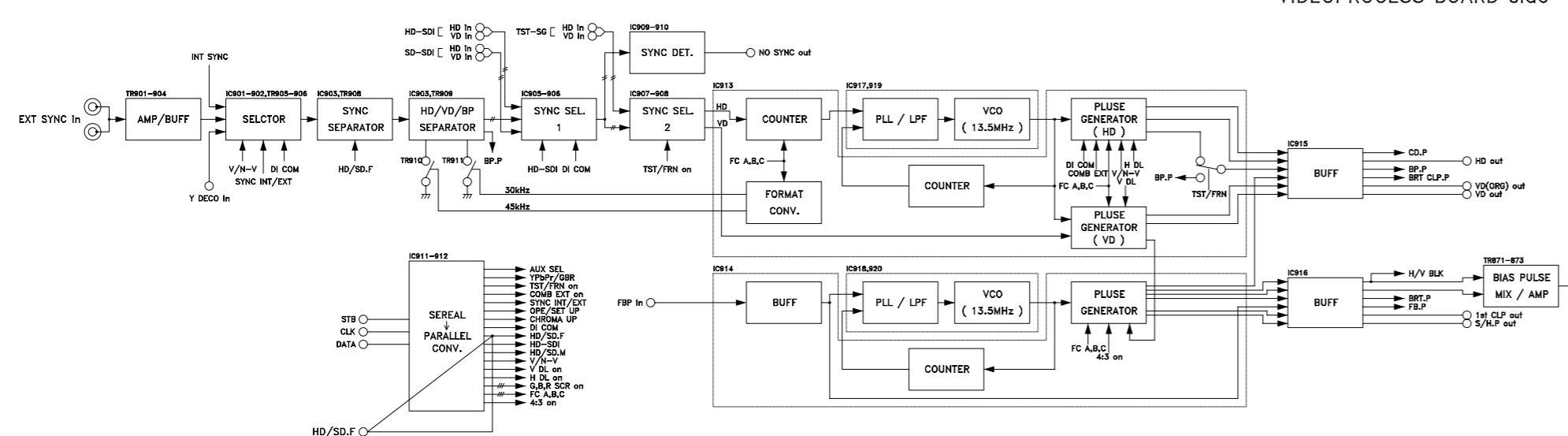
#### (b) TP871 [G1]

The following signals are output.

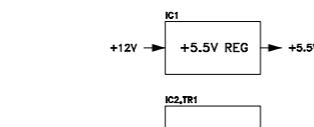


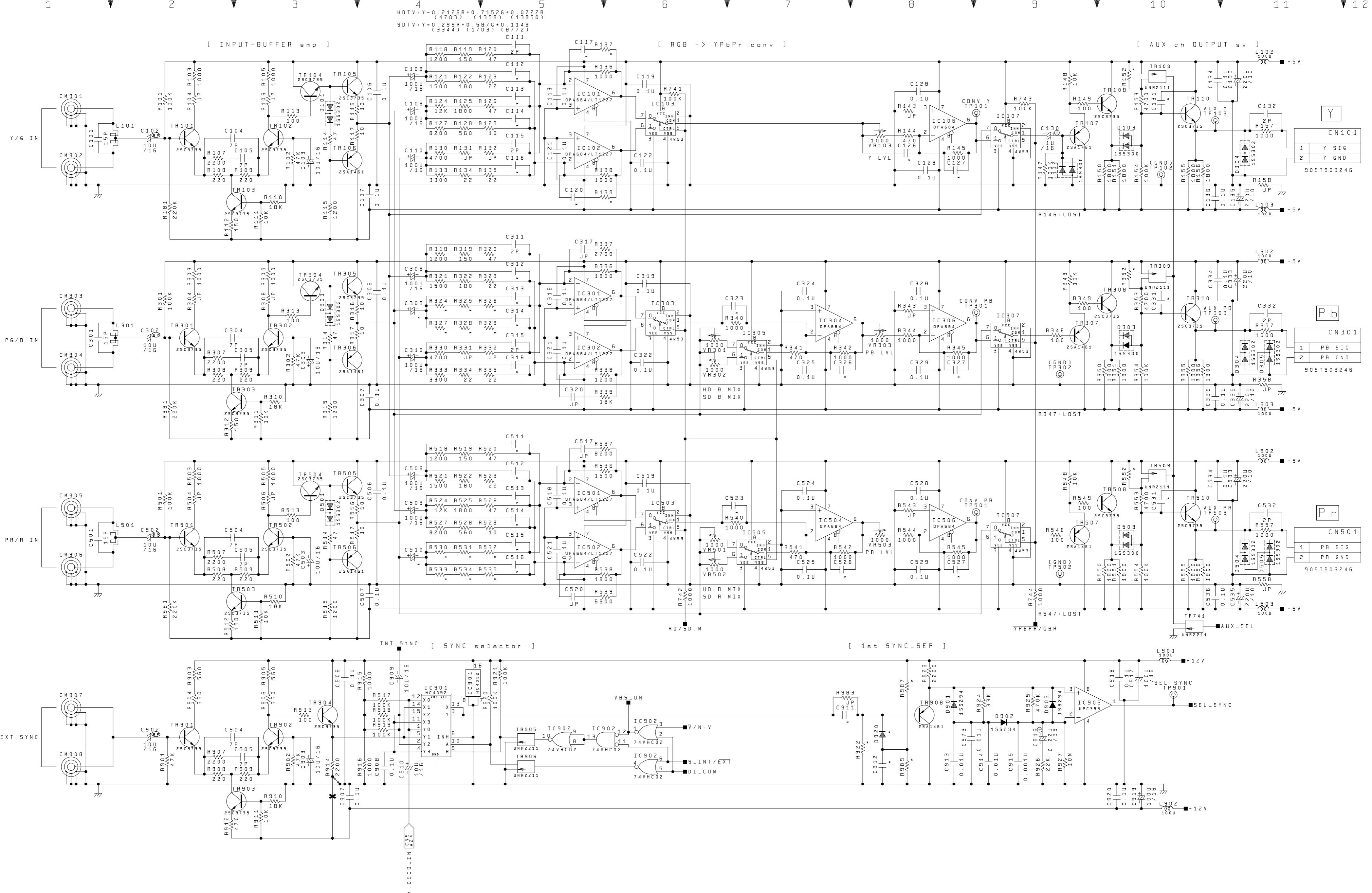


VIDEO PROCESS BOARD side

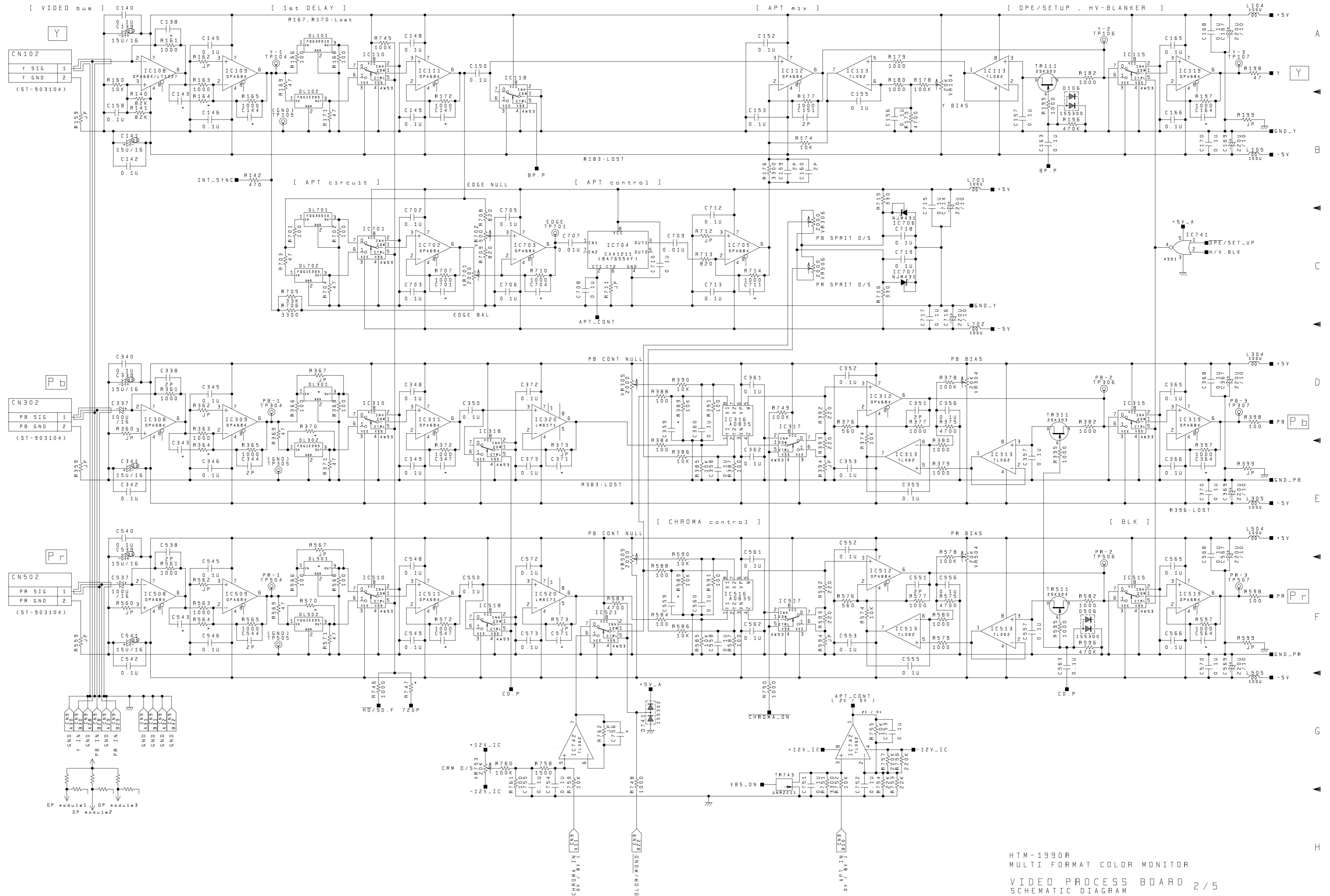


RGB OUT BOARD side

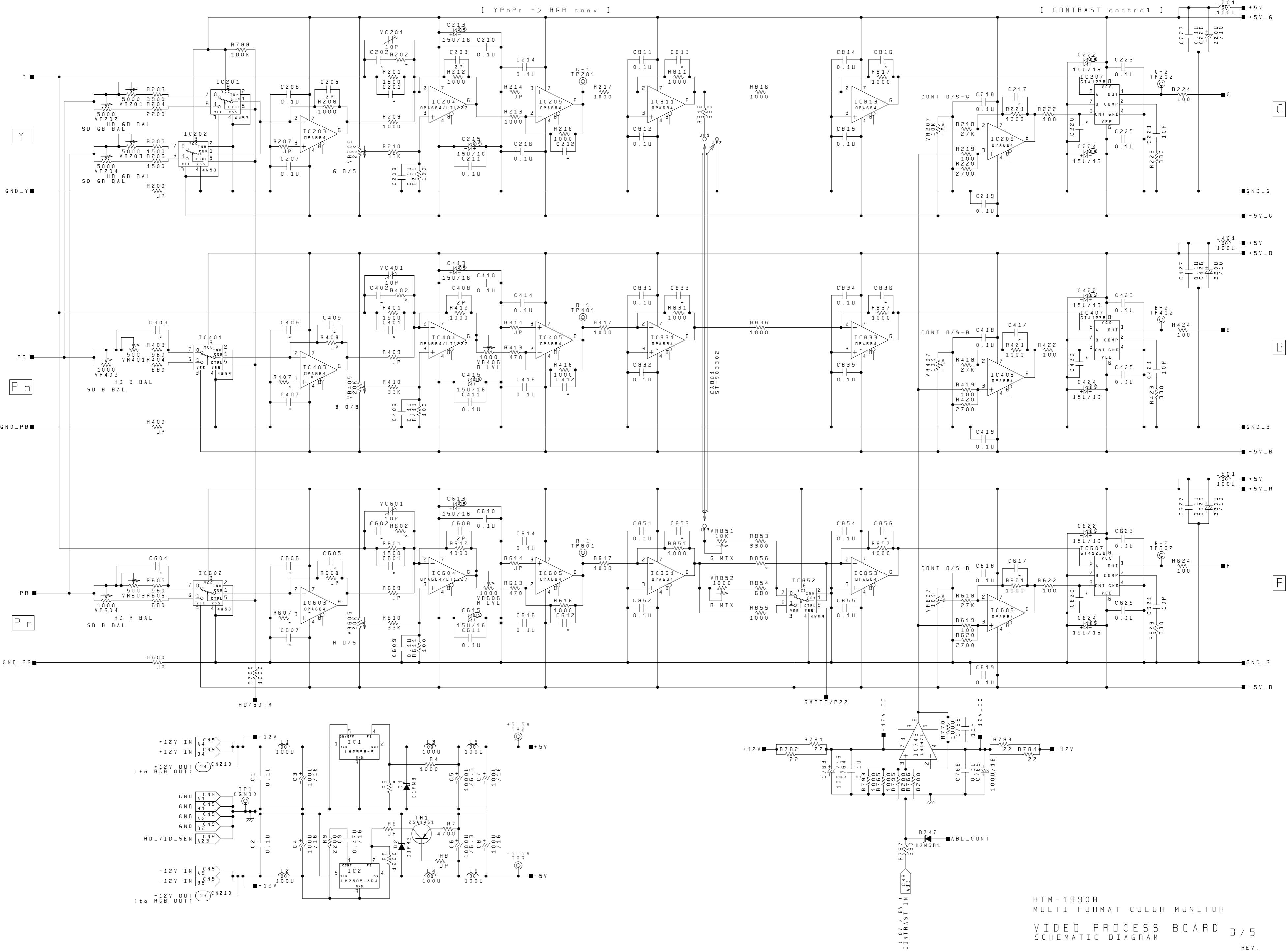


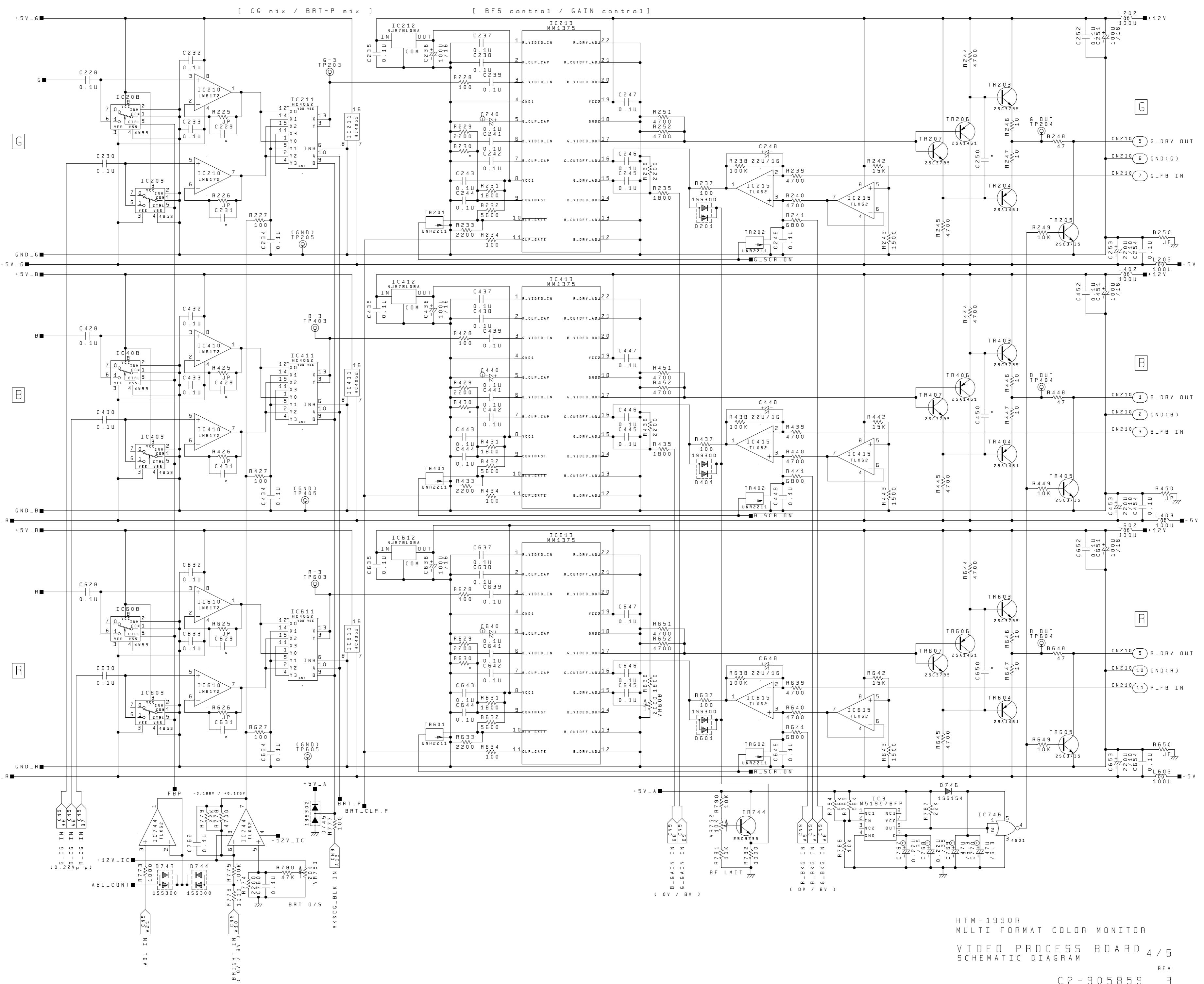


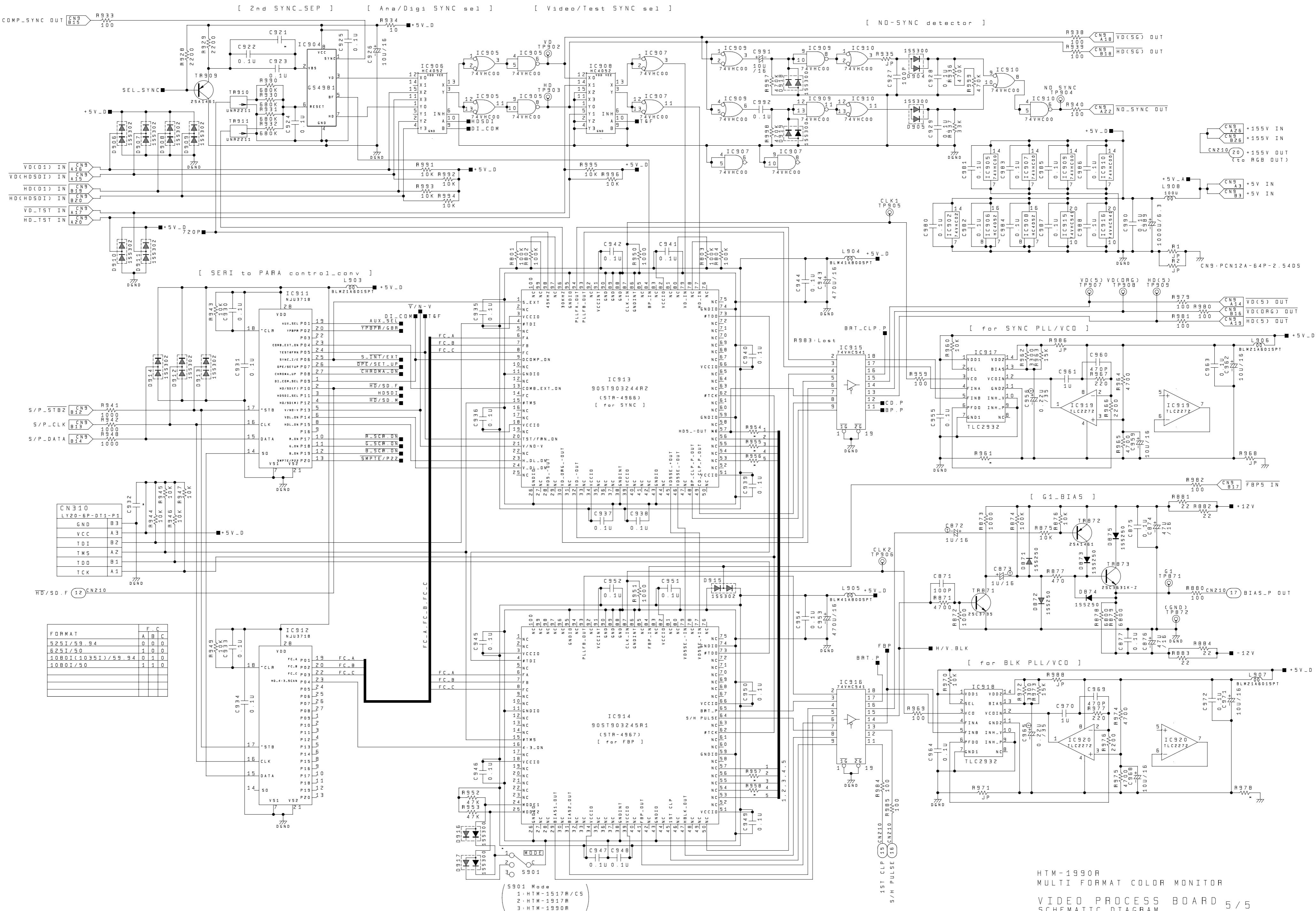
H T M - 1 9 9 0 R  
M U L T I F O R M A T C O L O R M O N I T O R  
V I D E O P R O C E S S B O A R D 1  
S C E M A T I C D I A G R A M



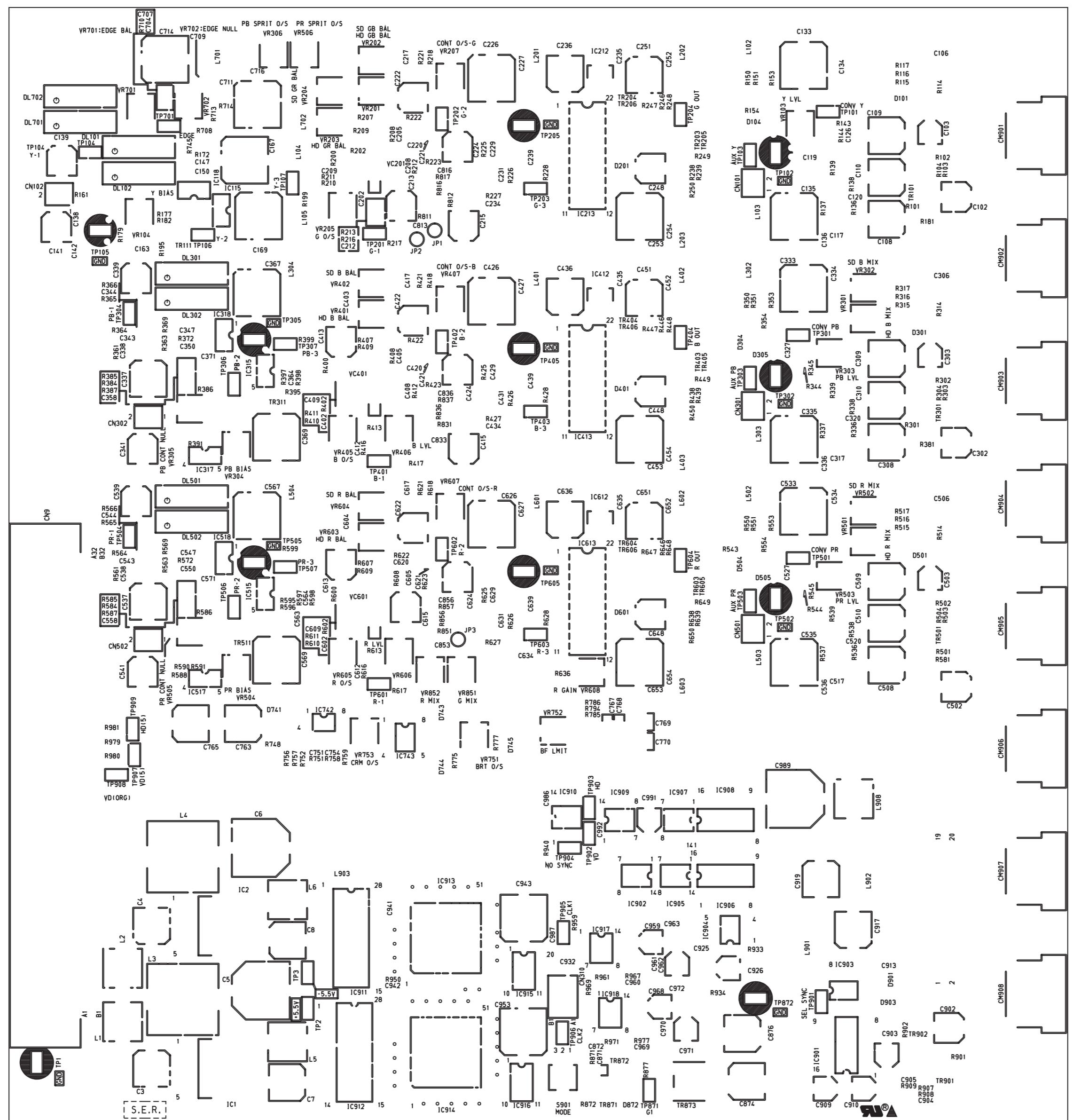
H T M - 1 9 9 0 R  
M U L T I F O R M A T C O L O R M O N I T O R  
V I D E O P R O C E S S B O A R D 2  
S C H E M A T I C D I A G R A M





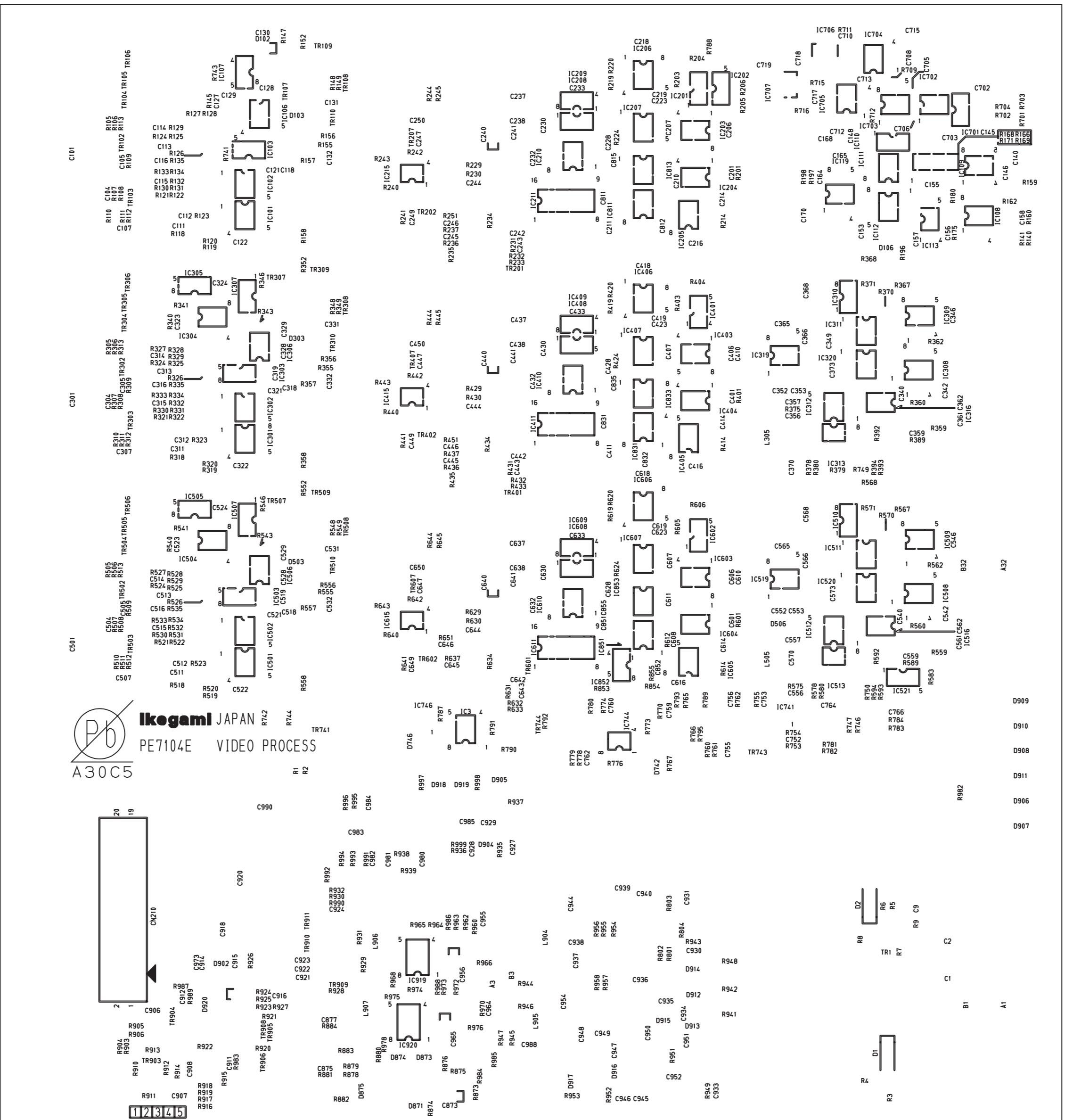


A SIDE



INDEX	DESCRIPTION	INDEX	DESCRIPTION
7-B	TP103 (AUX Y)	4-B	VR204 [SD GR BAL]
4-C	TP106 (Y-1)	4-C	VR205 [G O/S]
4-B	TP107 (Y-3)	5-B	VR207 [CONT O/S-G]
4-G	TP2 [+5.5V]	7-C	VR301 [HD B MIX]
5-C	TP201 (G-1)	7-C	VR302 [SD B MIX]
5-B	TP202 (G-2)	7-C	VR303 [PB LVL]
5-C	TP203 (G-3)	4-D	VR304 [PB BIAS]
4-G	TP3 [-5.5V]	4-D	VR305 [PB CONT NULL]
7-C	TP301 (CONV PB)	4-B	VR306 [PB SPRIT O/S]
4-D	TP306 (PB-2)	5-C	VR401 [HD B BAL]
4-C	TP307 (PB-3)	5-C	VR402 [SD B BAL]
5-D	TP401 (B-1)	4-D	VR405 [B O/S]
5-C	TP402 (B-2)	5-D	VR406 [B LVL]
5-D	TP403 (B-3)	5-C	VR407 [CONT O/S-B]
7-E	TP501 (CONV PR)	7-E	VR501 [HD R MIX]
4-E	TP506 (PR-2)	7-D	VR502 [SD R MIX]
4-E	TP507 (PR-3)	7-E	VR503 [PR LVL]
5-E	TP601 (R-1)	4-E	VR504 [PR BIAS]
5-E	TP602 (R-2)	4-E	VR505 [PR CONT NULL]
5-E	TP603 (R-3)	4-B	VR506 [PR SPRIT O/S]
3-B	TP701 (EDGE)	5-E	VR603 [HD R BAL]
6-H	TP871 (G1)	5-D	VR604 [SD R BAL]
6-G	TP905 (CLK1)	4-E	VR605 [R O/S]
6-G	TP906 (CLK2)	5-E	VR606 [R LVL]
5-B	VC201	5-D	VR607 [CONT O/S-R]
5-D	VC401	6-E	VR608 [R GAIN]
5-E	VC601	3-B	VR701 [EDGE BAL]
7-B	VR103 [Y LVL]	4-B	VR702 [EDGE NULL]
3-C	VR104 [Y BIAS]	6-F	VR751 [BRT O/S]
5-B	VR201 [HD GB BAL]	4-F	VR753 [CHR O/S]
5-B	VR202 [SD GB BAL]	5-E	VR851 [G MIX]
4-B	VR203 [HD GR BAL]	5-E	VR852 [R MIX]

B SIDE



VIDEO PROCESS BOARD  
Parts Location  
PE7104E

# RGB OUT BOARD

## (1) Circuit Structure

- (a) Voltage amplifying Circuit
- (b) Current amplifying Circuit+BFS(Beam Feedback System) switch Circuit
- (c) BFS (Beam Feedback System) sampling-hold Circuit
- (d) Ripple Filter

## (2) Adjustment Method

- \* When not otherwise indicated, HDTV is the standard for the input signal in the analog component of YPbPr.
- \* The figures are images are differ from the actual signals.

(a) VR101 [G FREQ.COMP]

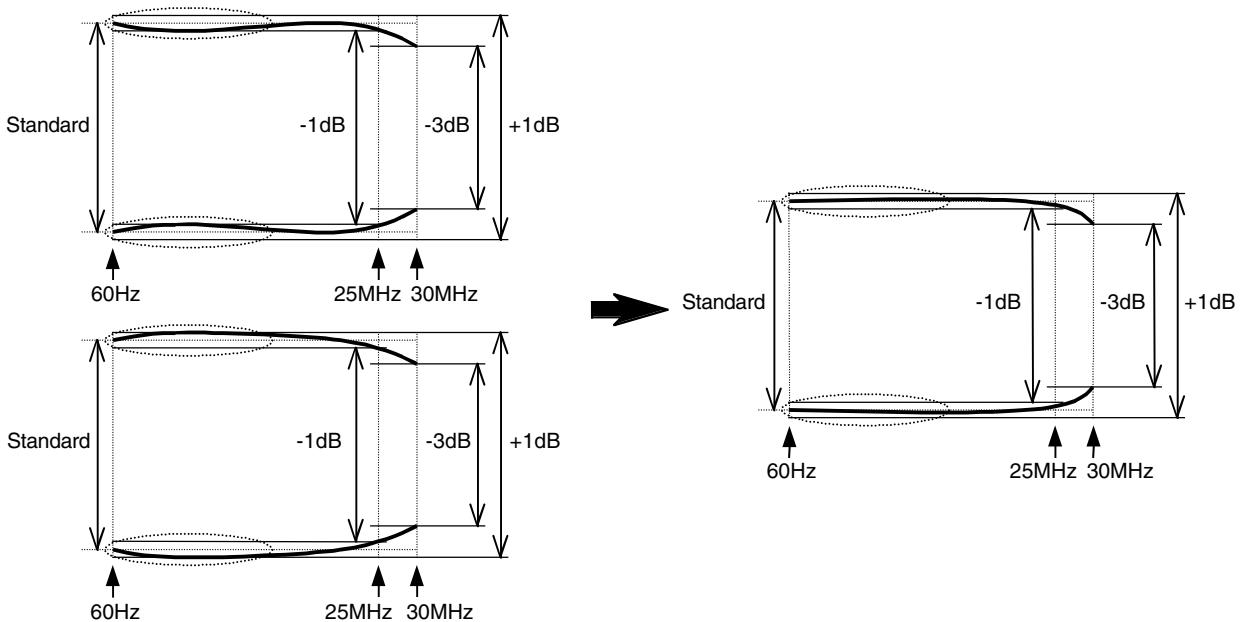
VR201 [B FREQ.COMP]

VR301 [R FREQ.COMP]

Input the sweep signal to Y and flatten the difference in the levels of the encircled sections from low level to medium level in the test points TP1 (B), TP3 (R), TP5 (G) of the CRT SOCKET BOARD.

Finally, adjust the Frequency Characteristic within +1dB/-3dB up to 30 MHz.

Note: Use the 100:1 high resist voltage/low capacity probe.

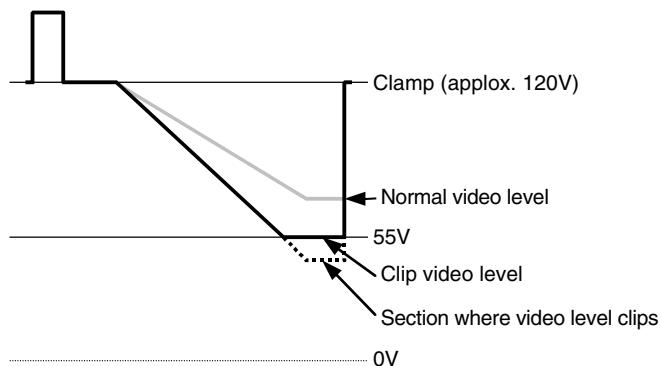


(b) VR102 [G CLIP]

VR202 [B CLIP]

VR302 [R CLIP]

Input the lamp signal to Y at the test points TP1 (B), TP3 (R), TP5 (G) of the CRT SOCKET BOARD and, with the Terminal Resistoropen, gradually raise the contrast VR to increase the video level so that Adjust the signal clips in the vicinity of about 55V.



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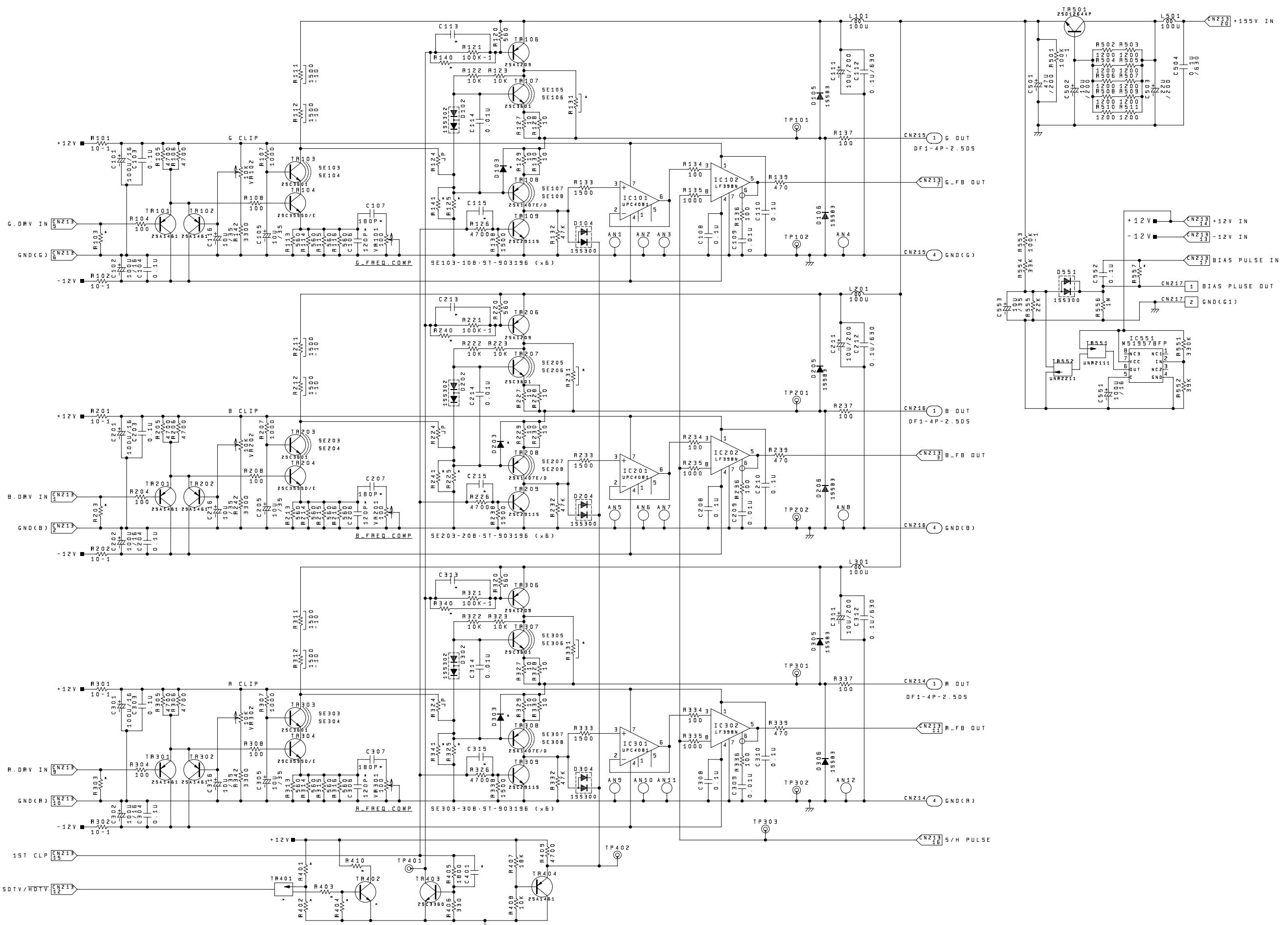
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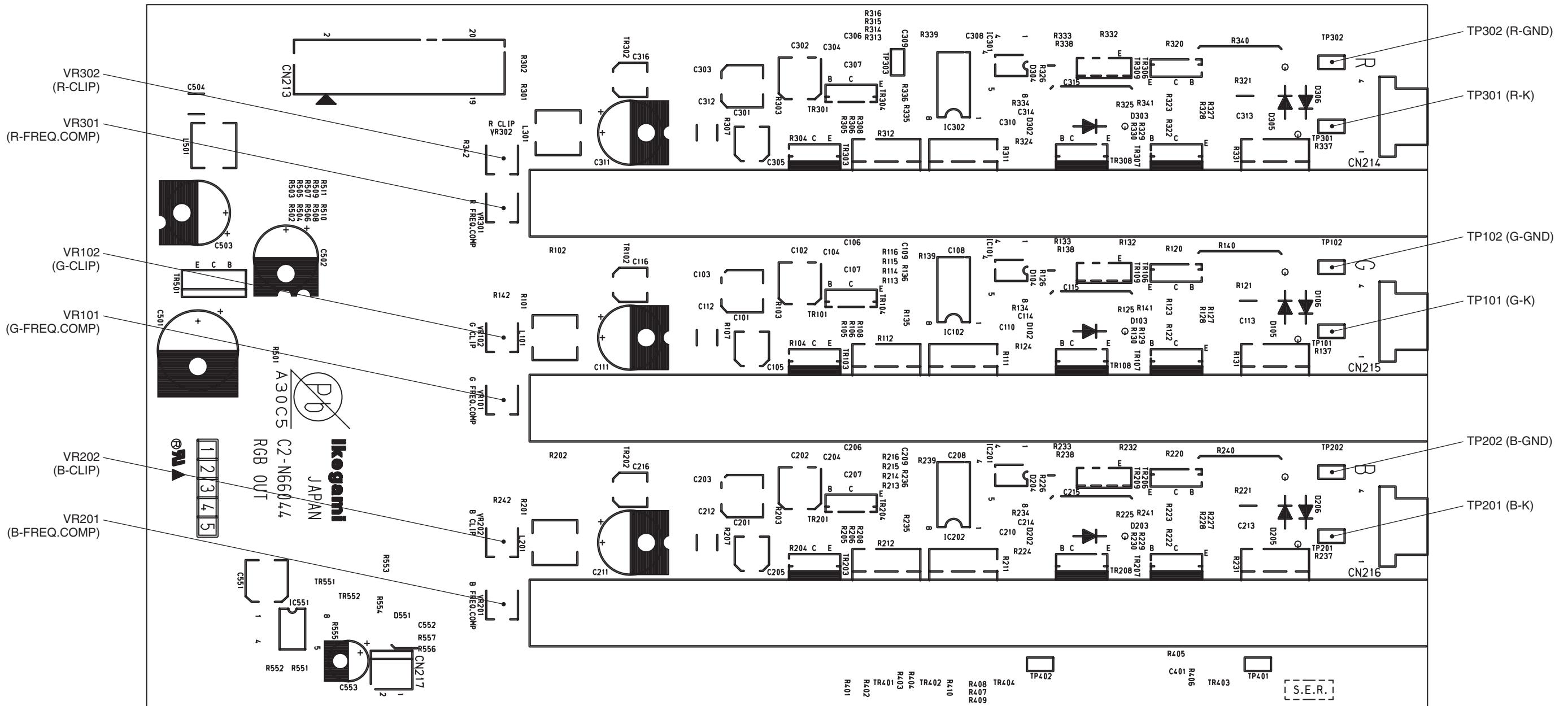
HTM-1990R  
MULTI FORMAT COLOR MONITOR  
RGB OUT  
SCHEMATIC DIAGRAM

1 / 1

1-B-28

C 2 - 9 0 5 8 8 3

**A SIDE**



RGB OUT BOARD  
Parts Location  
C2-N66044

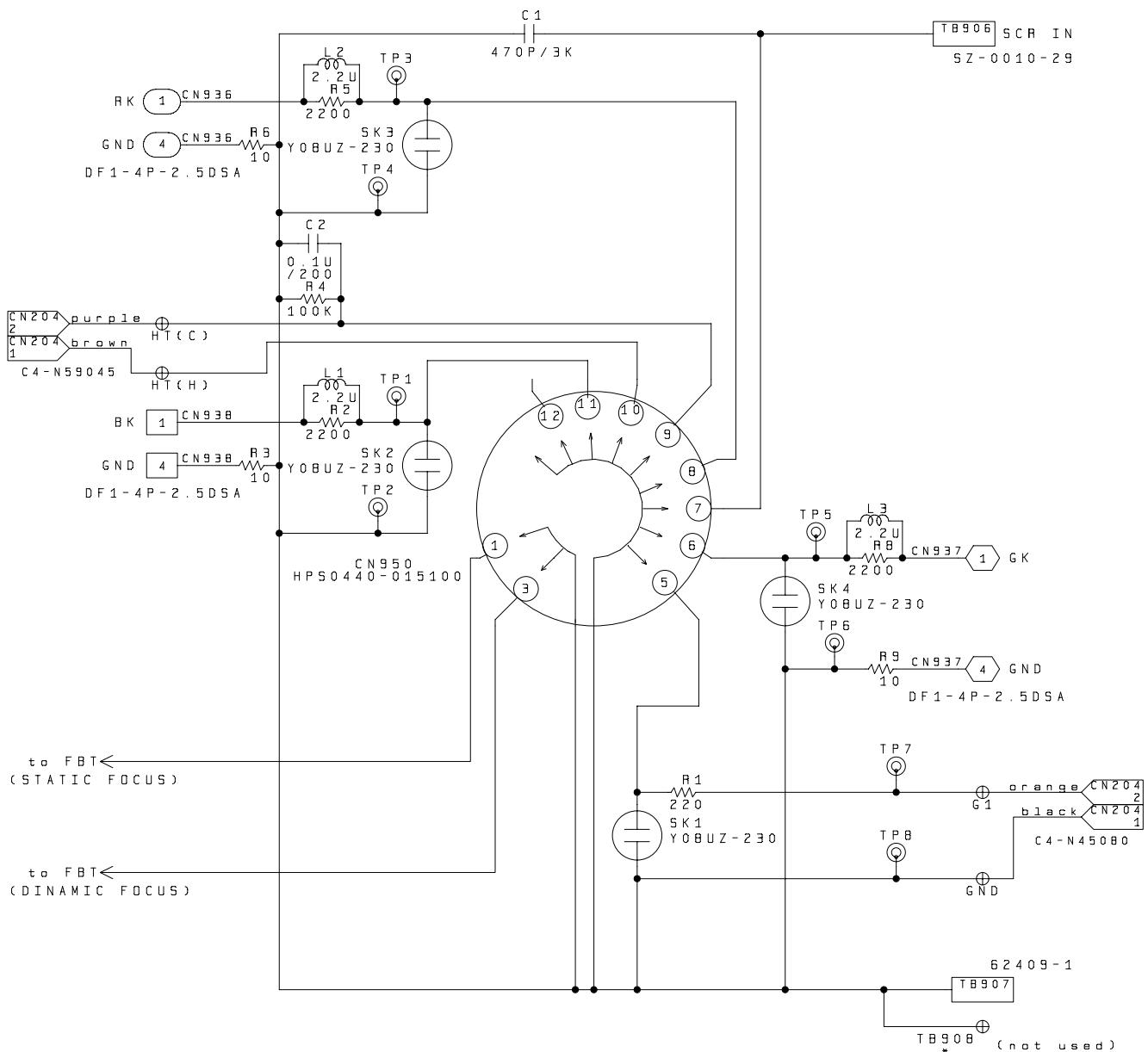
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HTM - 1990R  
MULTI FORMAT COLOR MONITOR

CRT SOCKET BOARD  
SCHEMATIC DIAGRAM

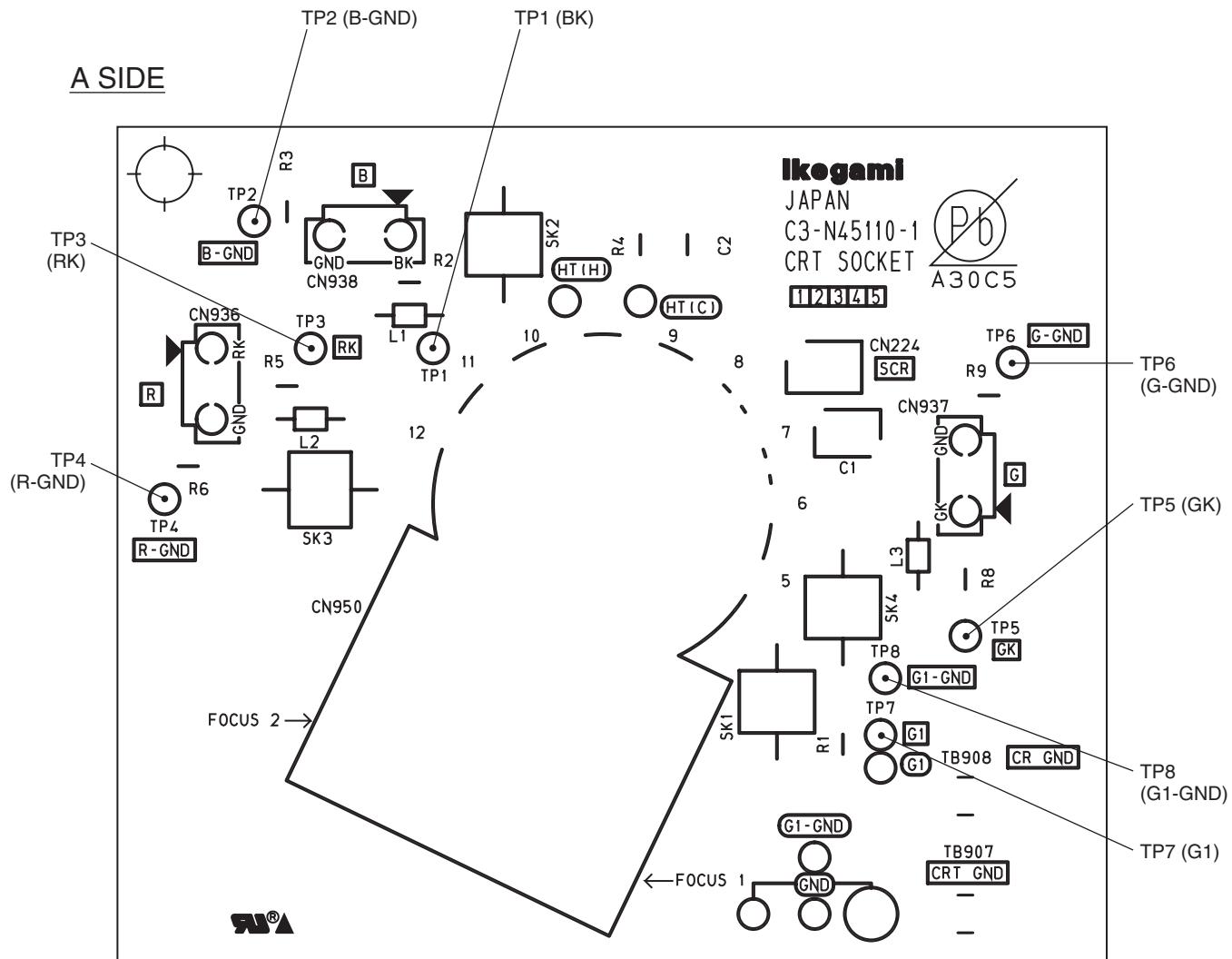
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REV.

C4-905926 1

1-B-30

A SIDE



CRT SOCKET BOARD

Parts Location

C3-N45110

## C. DEF and POWER SYSTEM

### <Substrate>

- DEF BOARD
- HV OUT BOARD
- POWER EUR BOARD

# DEF BOARD/HV OUT BOARD

## (1) Circuit Structure

- (a) Vertical deflection Circuit
- (b) Horizontal deflection Circuit
- (c) Protection Circuit
- (d) Horizontal centering Circuit
- (e) Rotation Circuit
- (f) Dynamic focus Circuit
- (g) High voltage output Circuit

## (2) Adjustment Method

- (a) EL101 [EL Bit Switch] : DEF BOARD

Select ON-OFF of rotation circuit. The default value is ON.

- (b) VR501 [O.S - 7] : DEF BOARD

Set so that the DC level is 5.5V if the H.FOCUS and V.FOCUS data is 0% for TP501.

- (c) VR601 [H.BLK WIDTH] : DEF BOARD

Set so that the pulse width of the negative pulse is 2.5 uS for TP606.

- (d) VR602 [1080\_H.CENT\_ADJ] : DEF BOARD

Set so that the raster comes to the center position of the screen for 1080i/60 input.

- (e) VR1 [X-RAY PROT] : HV OUT BOARD

VR2 [HV ADJ] : HV OUT BOARD

1. Connect the high voltage meter to the anode cap of the CRT.

2. Set CONTRAST VR and BRIGHTNESS VR to the manual mode and set to MIN.

3. Temporarily set the high voltage output to the following values with VR2.

HTM-1517R : 27.5KV

HTM-1917R/1990R : 28.5KV

4. Rotate VR1 from MIN in a clockwise direction up to when protection operates.

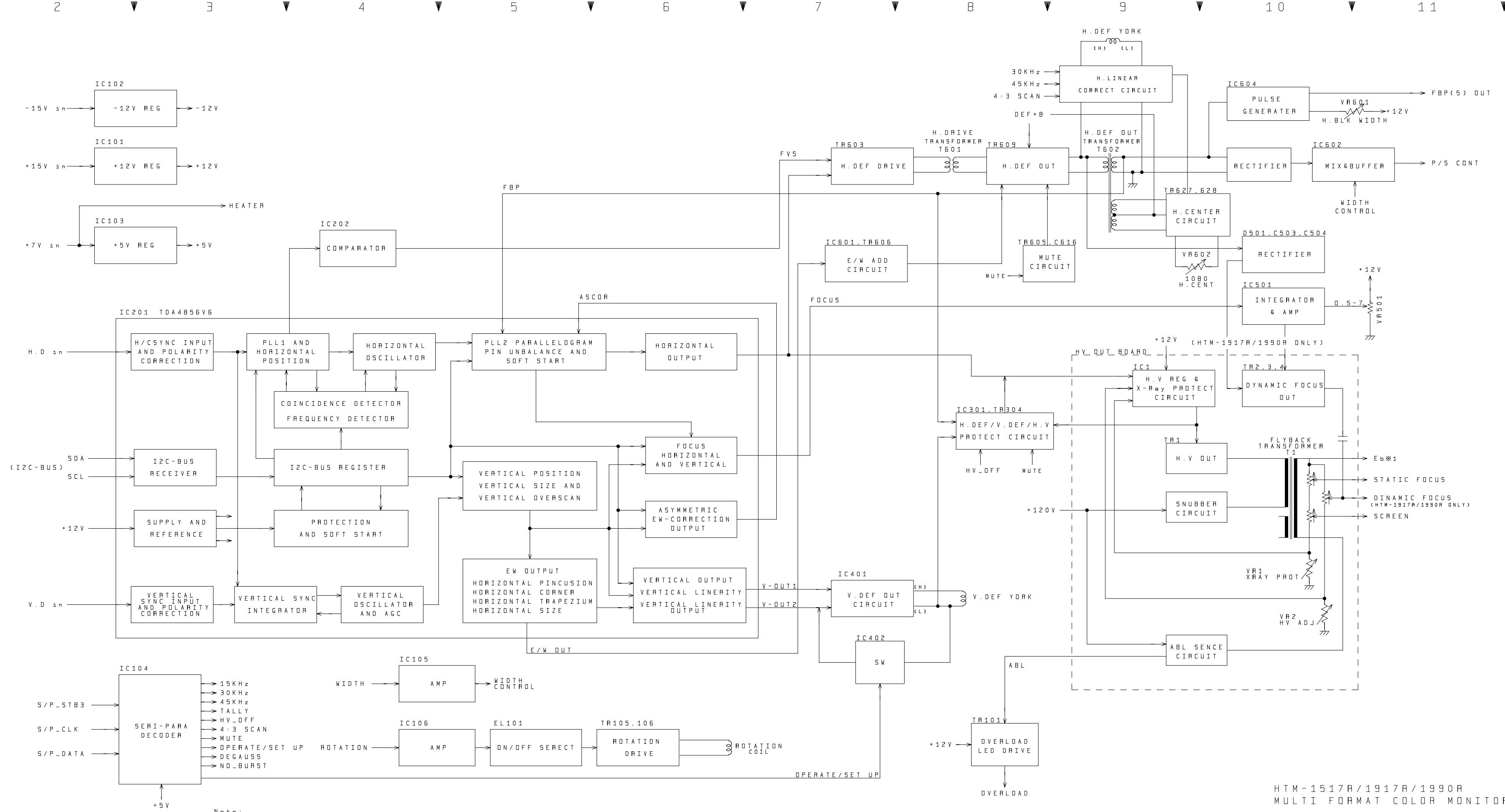
When protection operates, turn the power switch OFF.

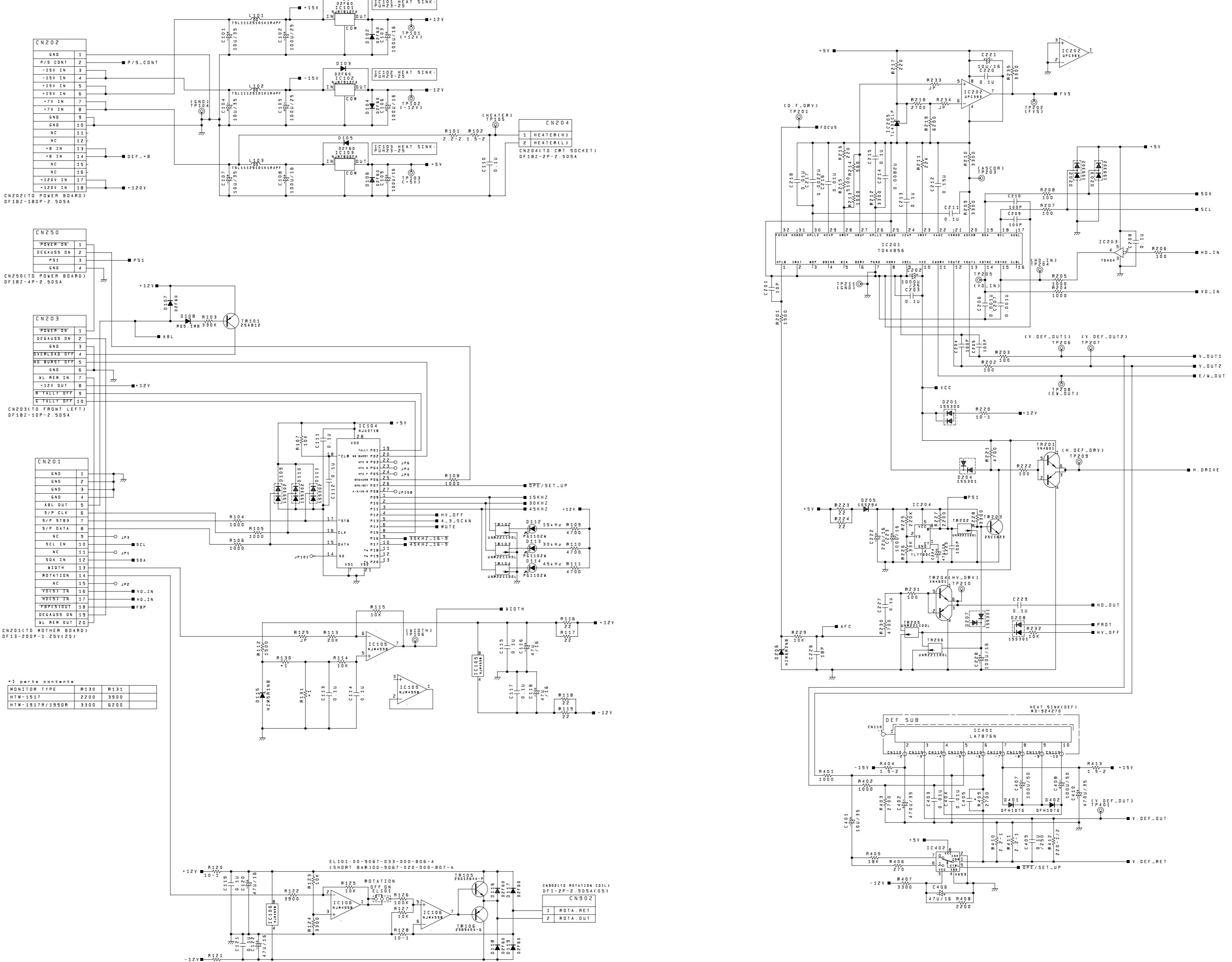
5. After returning the setting position of VR2 from the MIN position, turns the power switch ON.

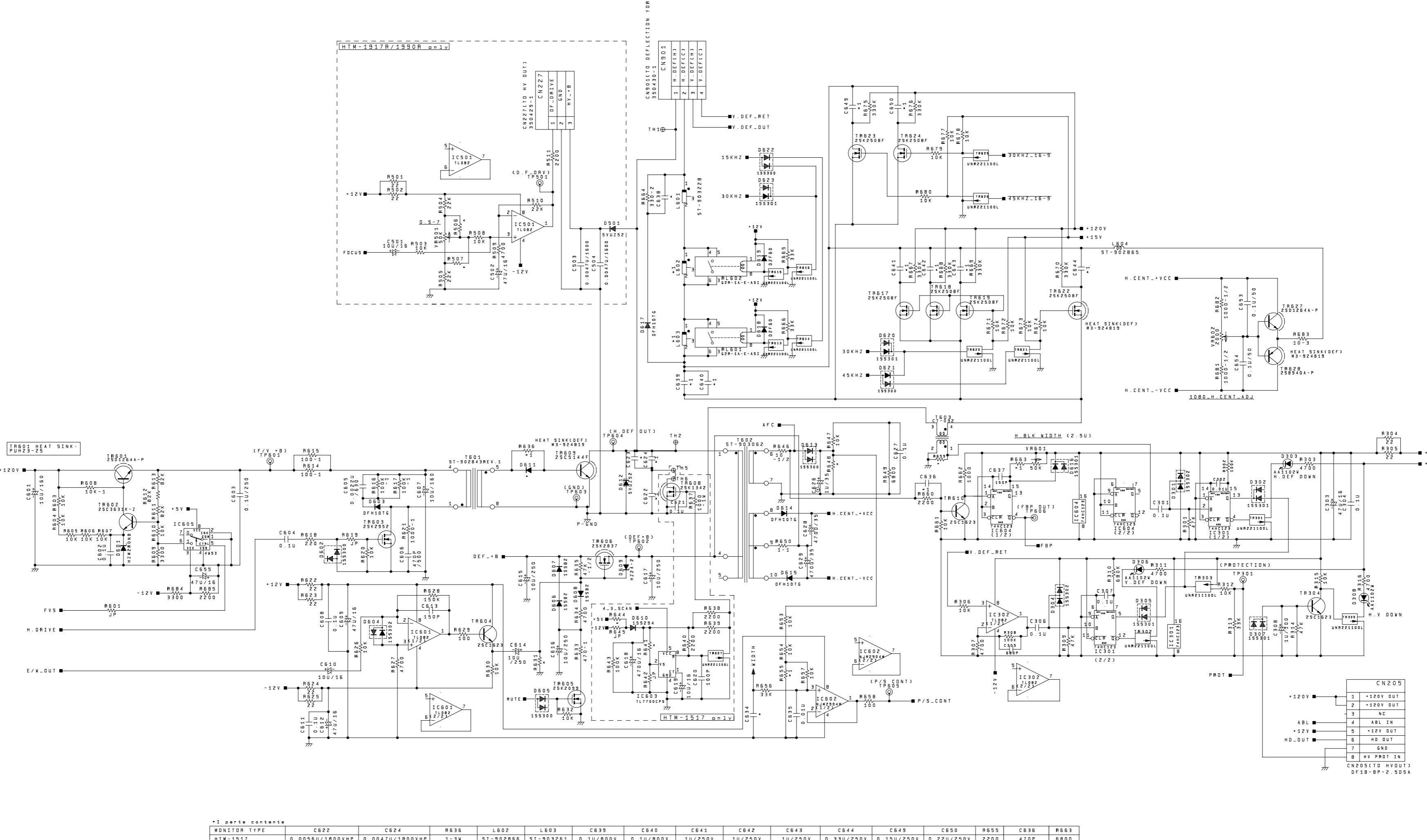
6. Use VR2 to set the high voltage output as follows.

HTM-1517R : 25KV

HTM-1917R/1990R : 26KV

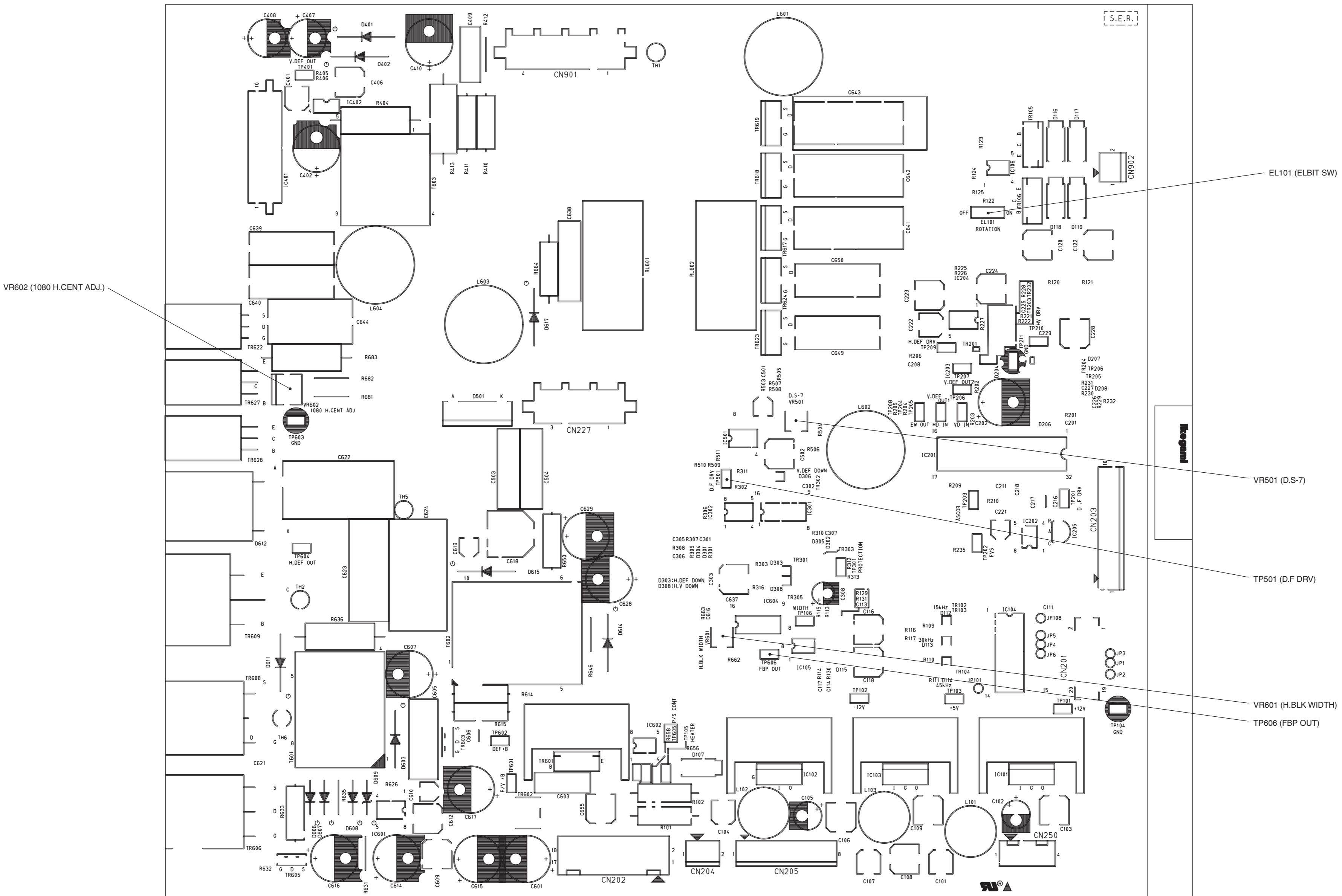






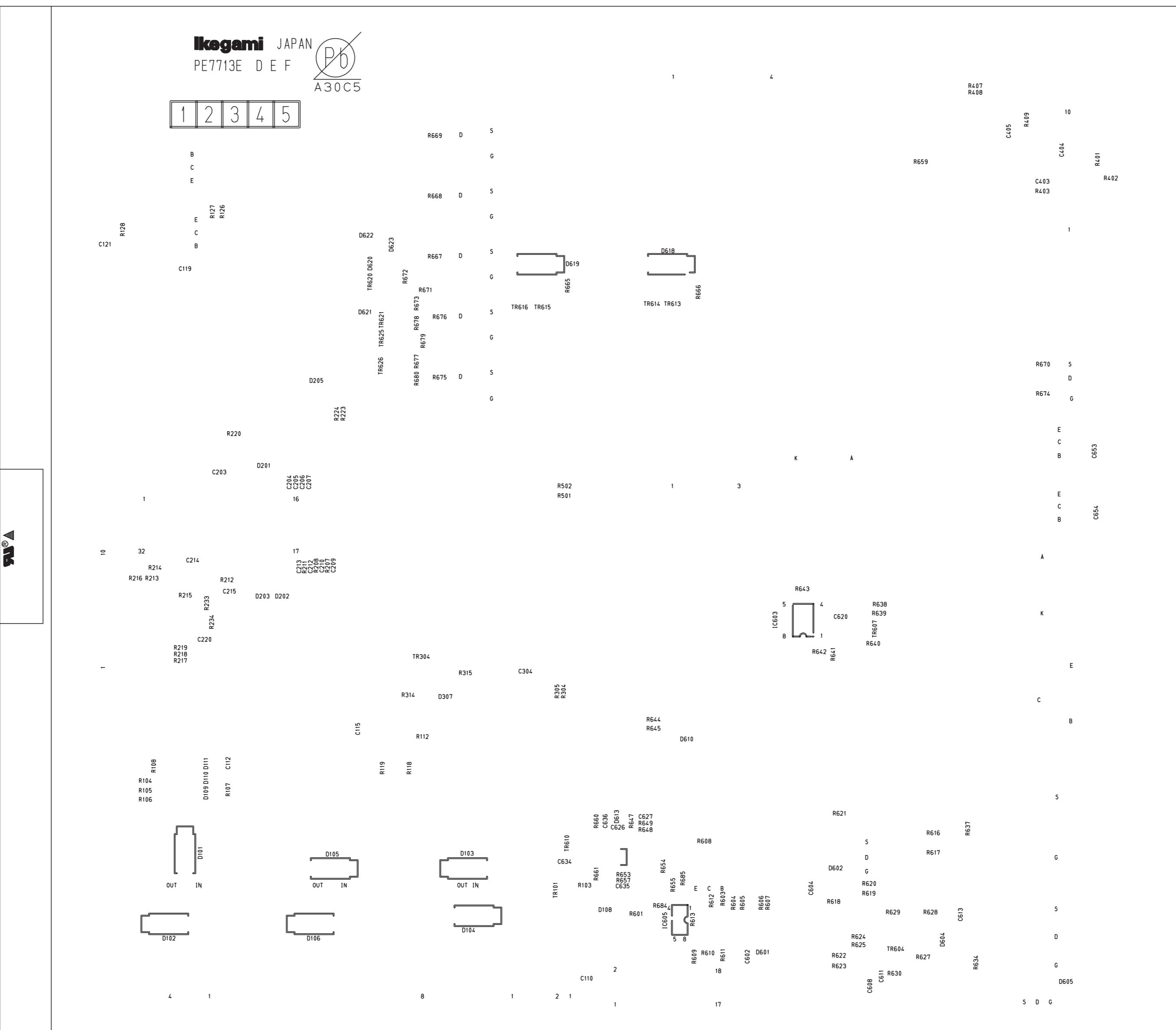
*1 parts contents	C622	C624	R636	L602	L603	C639	C640	C641	C642	C643	C644	C649	C650	R655	C636	R663		
MONITOR TYPE	0.0056U/1800VHP	0.0047U/1800VHP	1-3W	ST-902866	ST-903261	0.1U/800V	0.1U/800V	1U/250V	1U/250V	1U/250V	0.3U/250V	0.15U/250V	0.22U/250V	0.47U/250V	0.82U/250V	2.200	470P	680V
HTM-1517R/1917R	0.015U/1800VHP	0.01U/1800VHP	0.47-3W	ST-903260	ST-903061	0.33U/630V	0.22U/630V	2.2U/250V	2.2U/250V	3.9U/250V	0.82U/250V	0.47U/250V	0.82U/250V	1.300	NOT USED	470C		

A SIDE

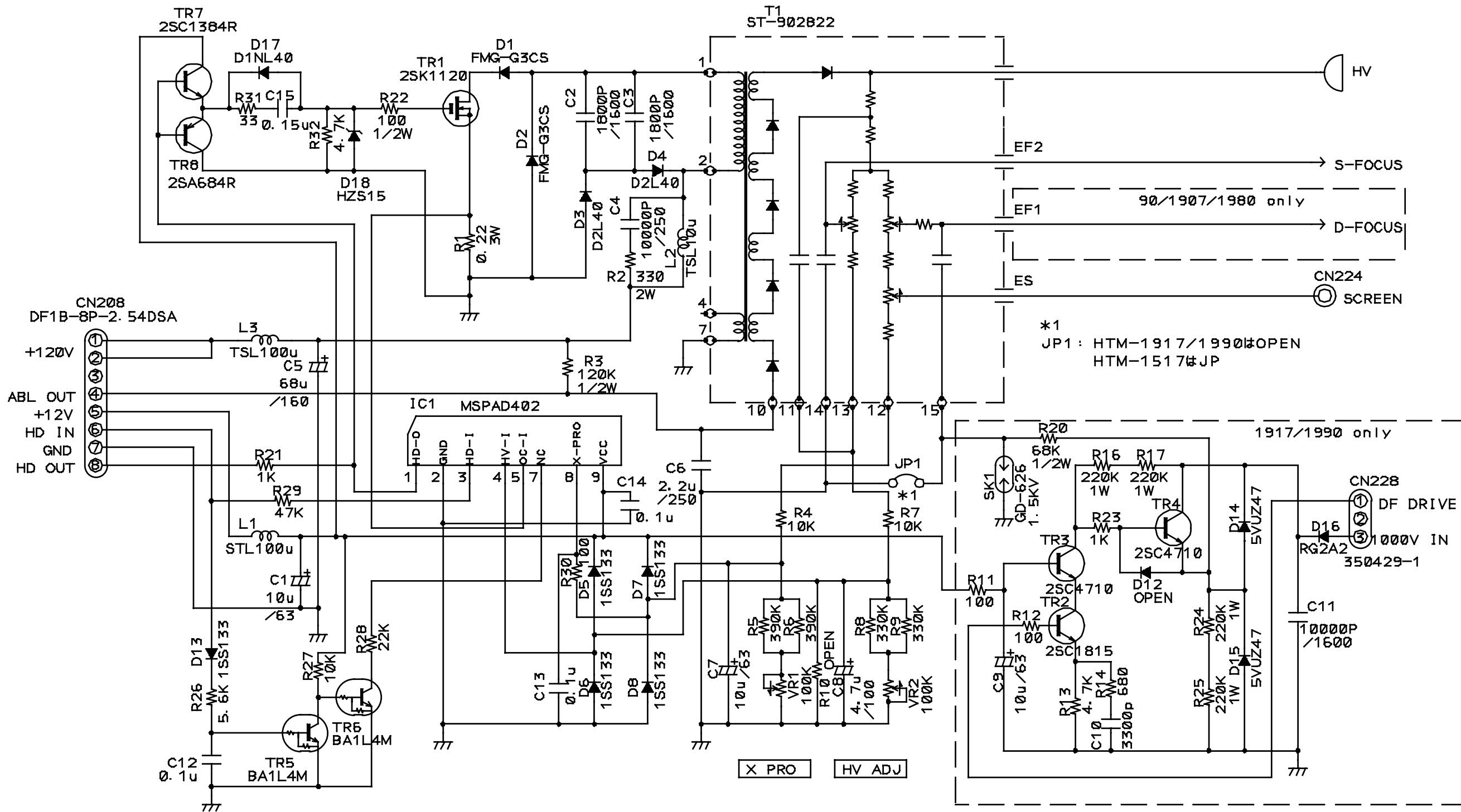


DEF BOARD  
Parts Location  
PE7713E

## B SIDE

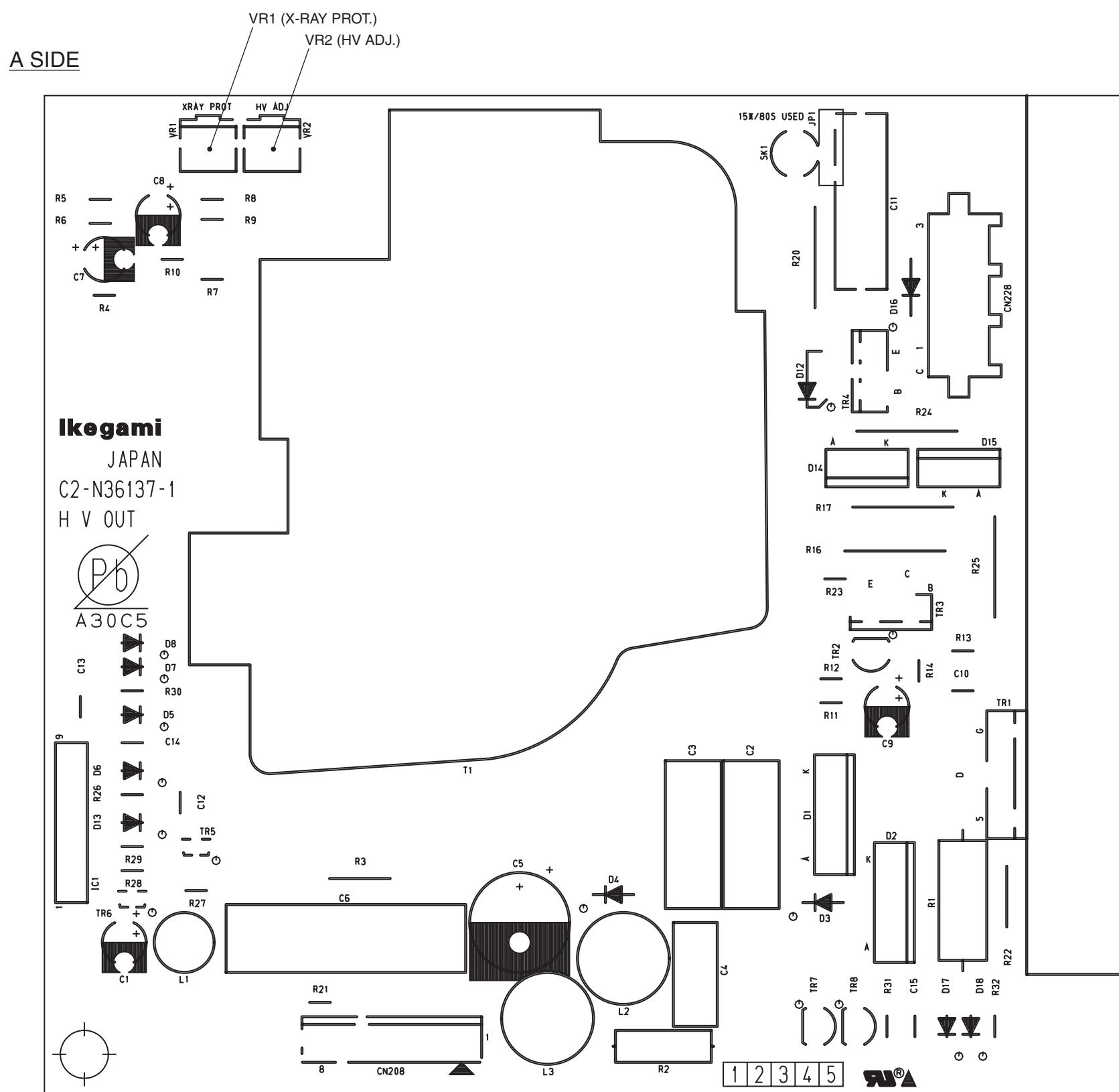


**DEF BOARD  
Parts Location  
PE7713E**



## HTM-1517R/1917R/1990R MULTI FORMAT COLOR MONITOR

## HV OUT BOARD SCHEMATIC DIAGRAM



HV BOARD  
Parts Location  
C2-N36137

# POWER EUR BOARD

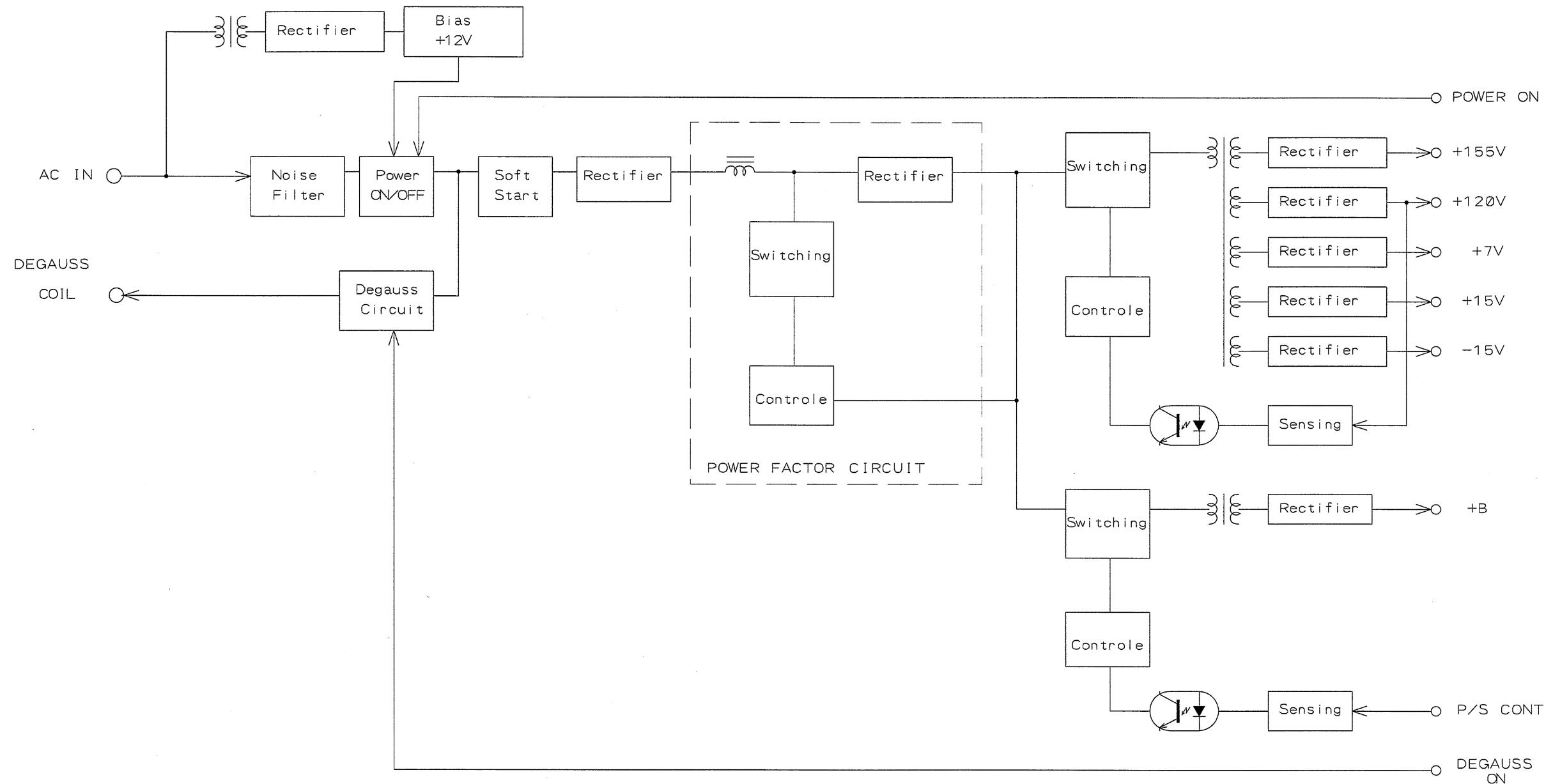
## (1) Circuit Structure

- (a) Power Factor Circuit
- (b) Degauss Circuit
- (c) Main Power Circuit
- (d) DEF+B Power Circuit

## (2) Adjustment Method

- (a) VR1 [120V ADJ]  
Adjust the TP2 Voltage to  $120V \pm 1V$ .
- (b) Confirm that the TP terminal voltages are as follows:
  - TP1:  $155V \sim 170V$
  - TP3:  $6V \sim 7.5V$
  - TP5:  $14V \sim 17V$
  - TP6:  $-14V \sim -17V$

1 2 3 4 5 6 7 8



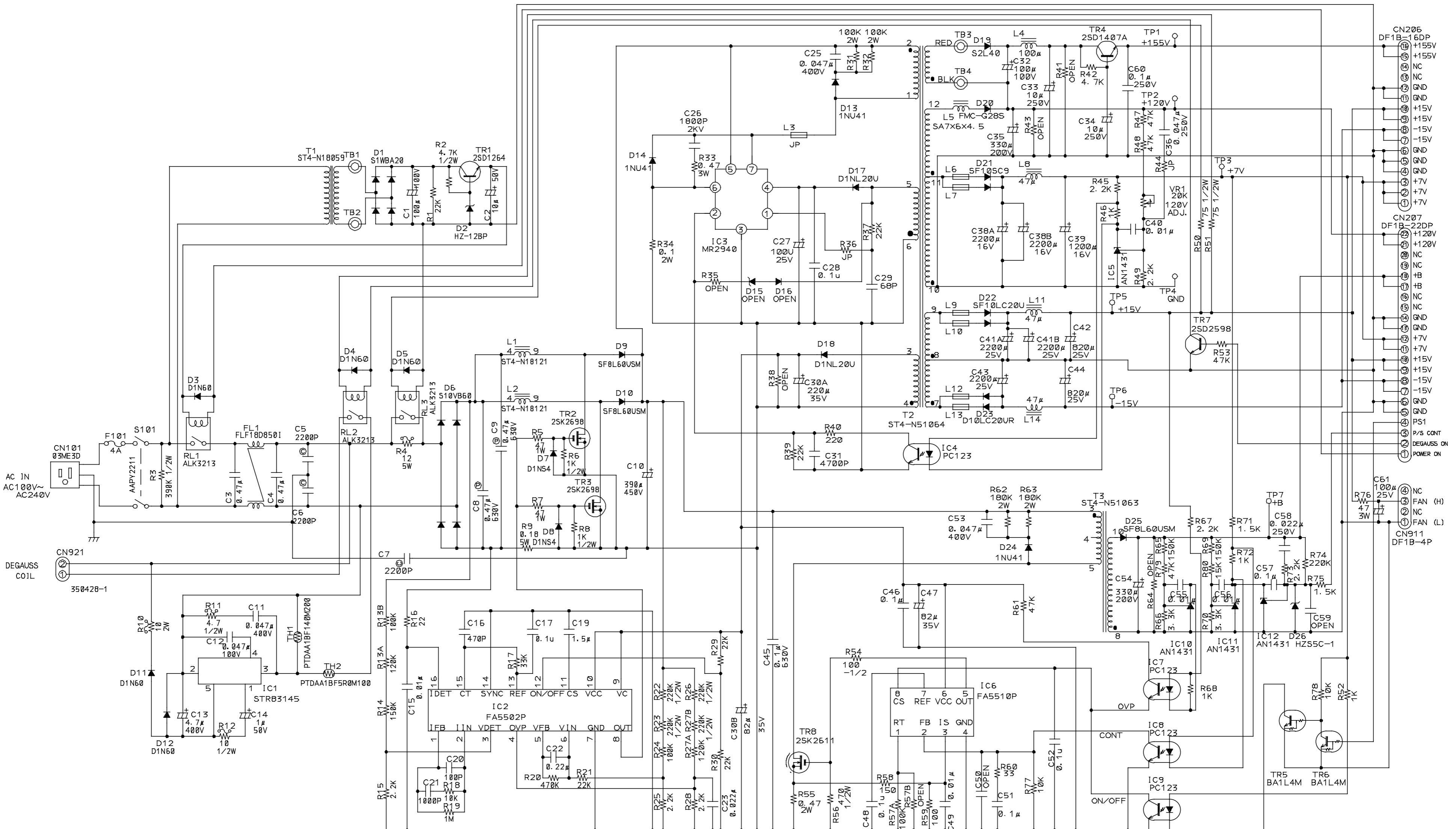
HTM-1517R/1990R  
MULTI FORMAT COLOR MONITOR

POWER EUR BOARD  
BLOCK DIAGRAM

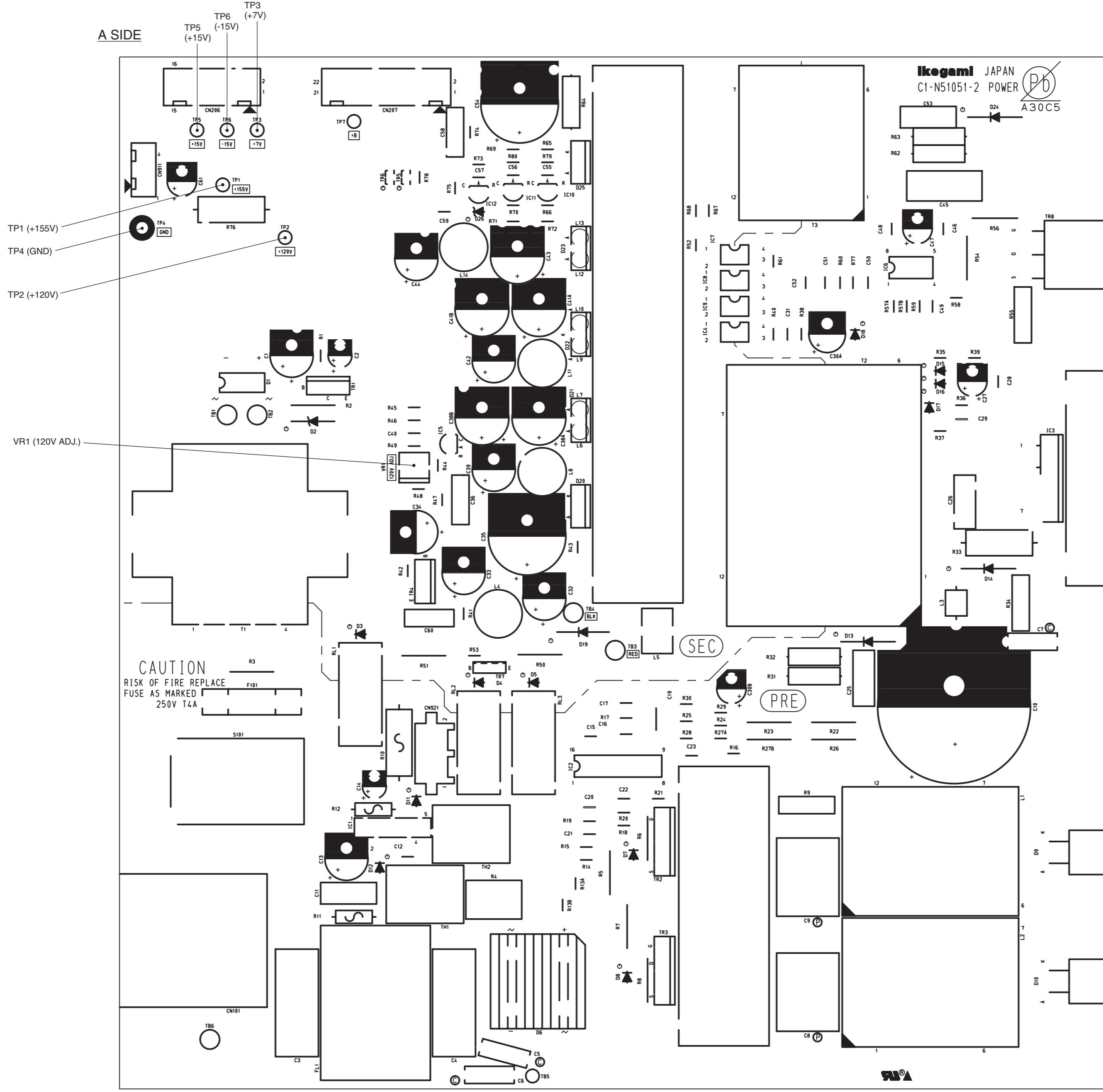
1/1

C3-N64151

1-C-11

HTM-1517R/1990R  
MULTI FORMAT COLOR MONITORPOWER EUR BOARD  
SCHEMATIC DIAGRAM

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POWER-CE BOARD  
Parts Location  
C1-N51051

## D. CONTROL SYSTEMS

### < Substrate >

- FRONT PANEL BOARD
- FRONT LEFT BOARD
- CONTROL / VR BOARD
- LED BOARD

### (1) Circuit Structure

- (a) Switch Matrix Circuit
- (b) I/O Processing Circuit

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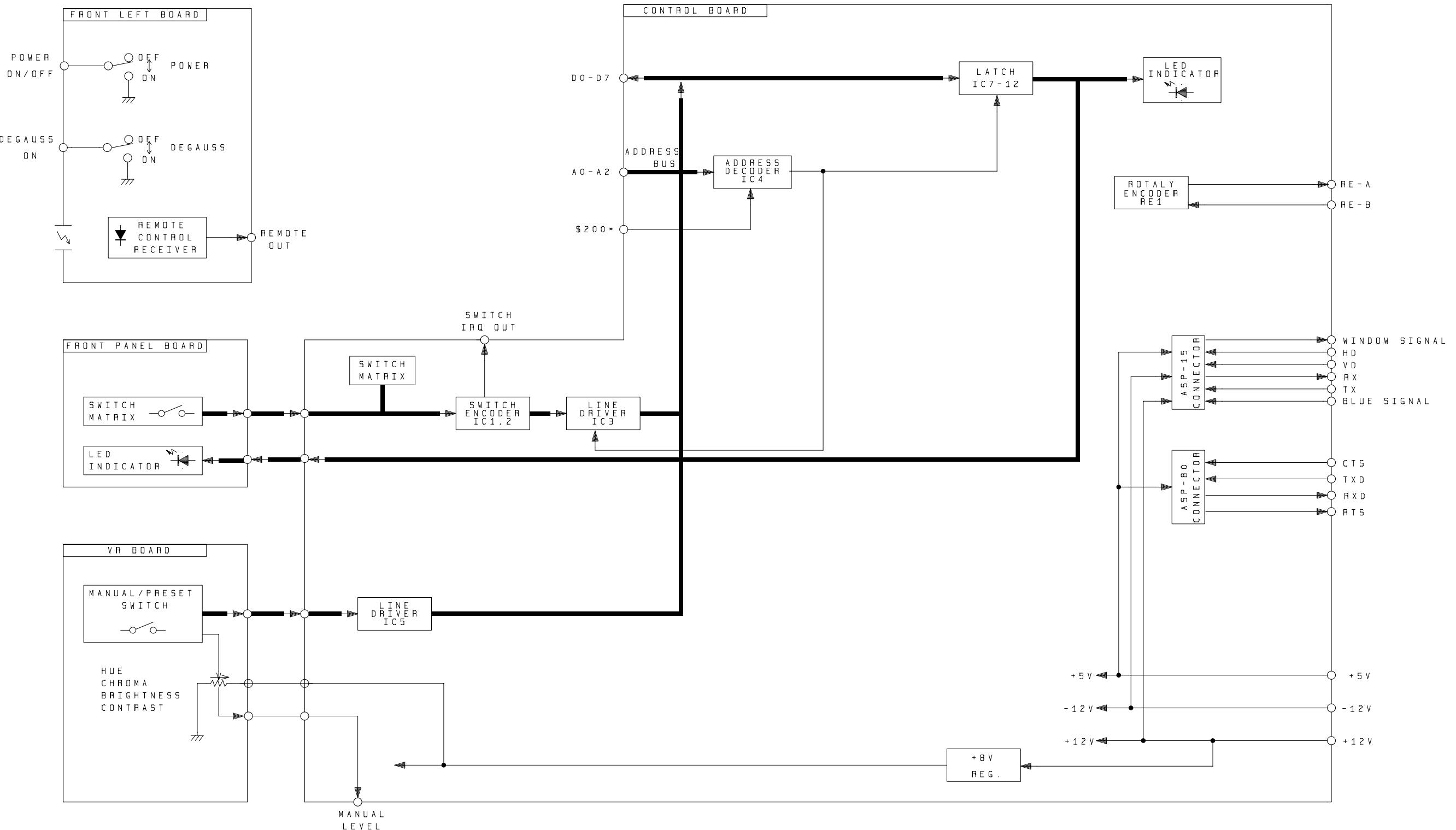
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HTM-1517R/1917R/1990R  
MULTI FORMAT COLOR MONITOR

CONTROL SYSTEM  
BLOCK DIAGRAM

1 / 1

C 3 - 9 0 5 7 1 3

1-D-2

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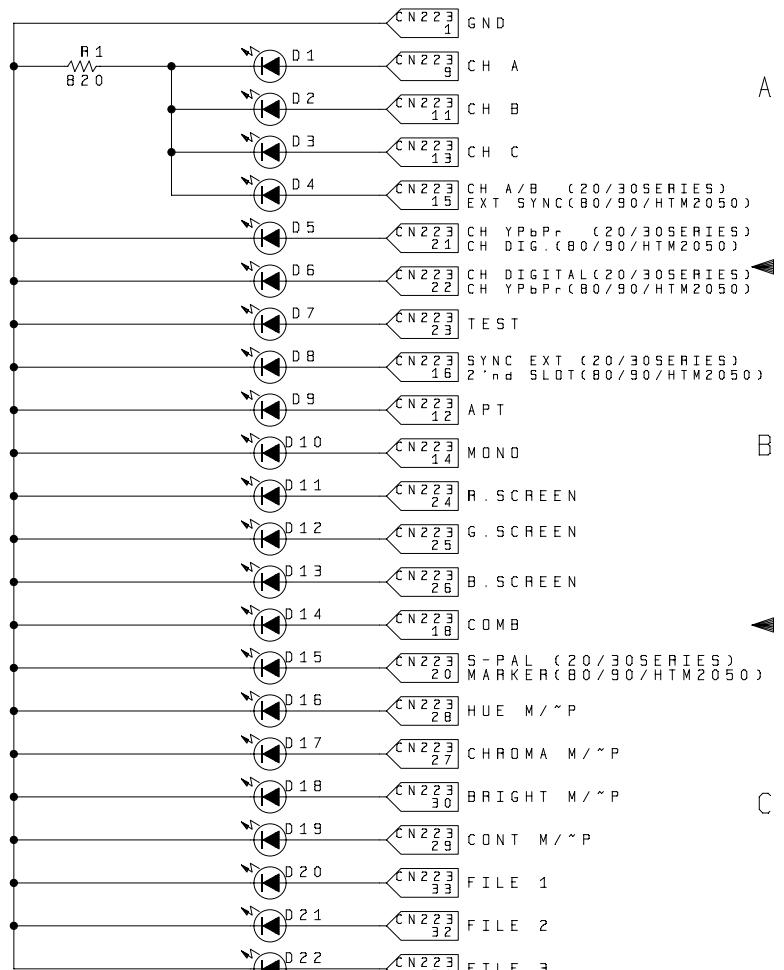
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3

4

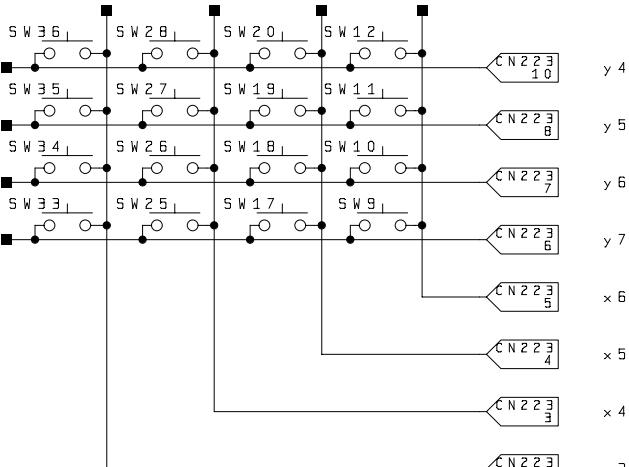
A

D1 to D15 : TLG226  
 D20 to D22 : TLG226  
 D16 to D19 : TLY226



CASE ■ ————— CN223\_34 CHASSIS GND

S9 : DIGITAL (20/30 SERIES)  
 YPbPr (80/90/HTM2050)  
 S10 : R SCREEN  
 S11 : G SCREEN  
 S12 : B SCREEN  
 S17 : DELAY (20/30 SERIES)  
 ASPECT(80/90/HTM2050)  
 S18 : MONO  
 S19 : SCAN  
 S20 : APT  
 S25 : SYNC EXT (20/30 SERIES)  
 2'nd SLOT(80/90/HTM2050)  
 S26 : COMB  
 S27 : S-PAL (20/30 SERIES)  
 MARKER(80/90/HTM2050)  
 S28 : SAFE TITLE (20/30 SERIES)  
 DELAY (80/90/HTM2050)  
 S33 : TEST  
 S34 : UP SELECT  
 S35 : DOWN SELECT  
 S36 : YPbPr (20/30 SERIES)  
 DIGITAL(80/90/HTM2050)



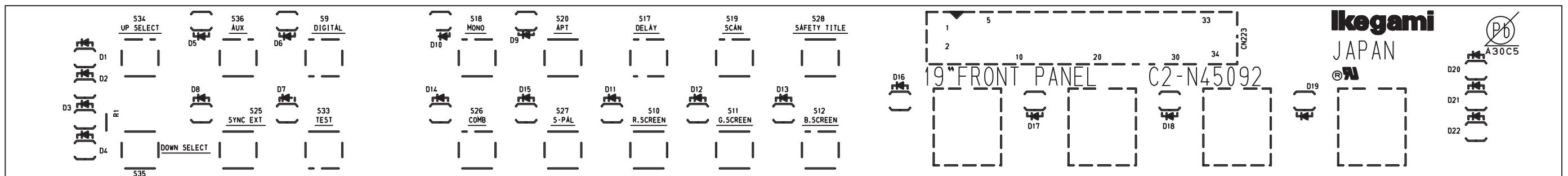
HTM - 1517R / 1917R / 1990R  
 MULTI FORMAT COLOR MONITOR

FRONT PANEL BOARD  
 SCHEMATIC DIAGRAM 1 / 1 F  
 REV.

C4-904225 2

1-D-3

A SIDE



FRONT PANEL BOARD  
Parts Location  
C2-N45092

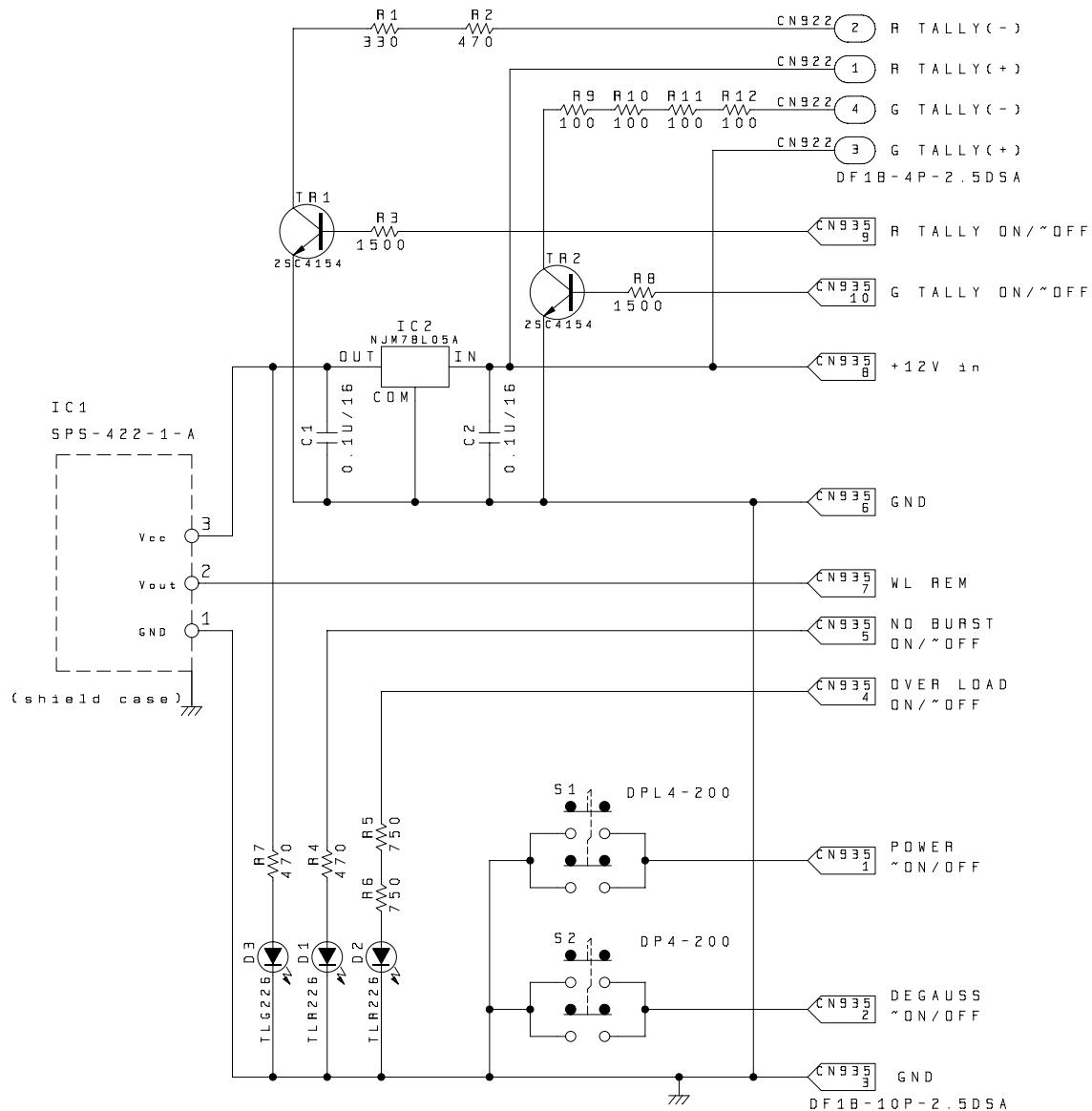
1

2

3

4

A



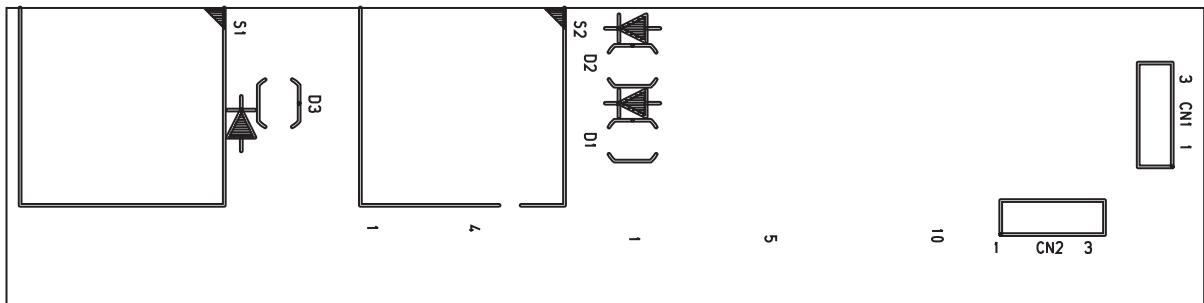
HTM - 1517R / 1917R / 1990R  
MULTI FORMAT COLOR MONITOR  
FRONT LEFT BOARD  
SCHEMATIC DIAGRAM

1 / 1 F  
REV.

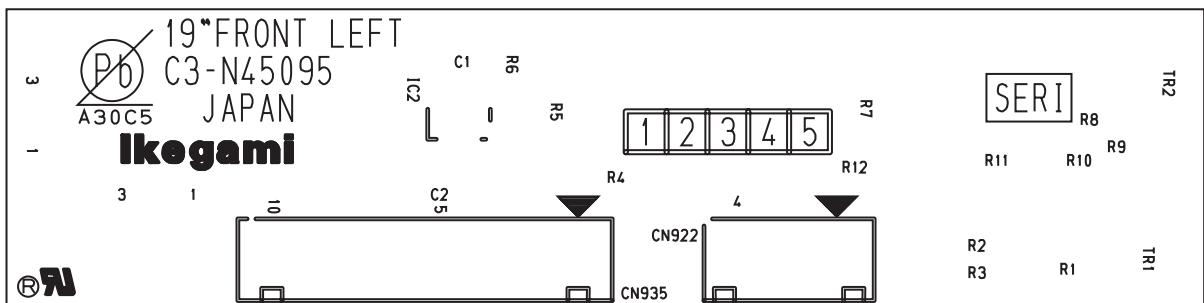
C 4 - 905339 2

1-D-5

### A SIDE

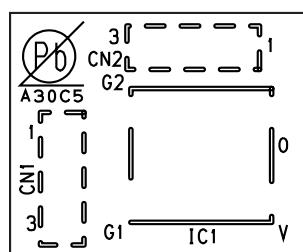


### B SIDE

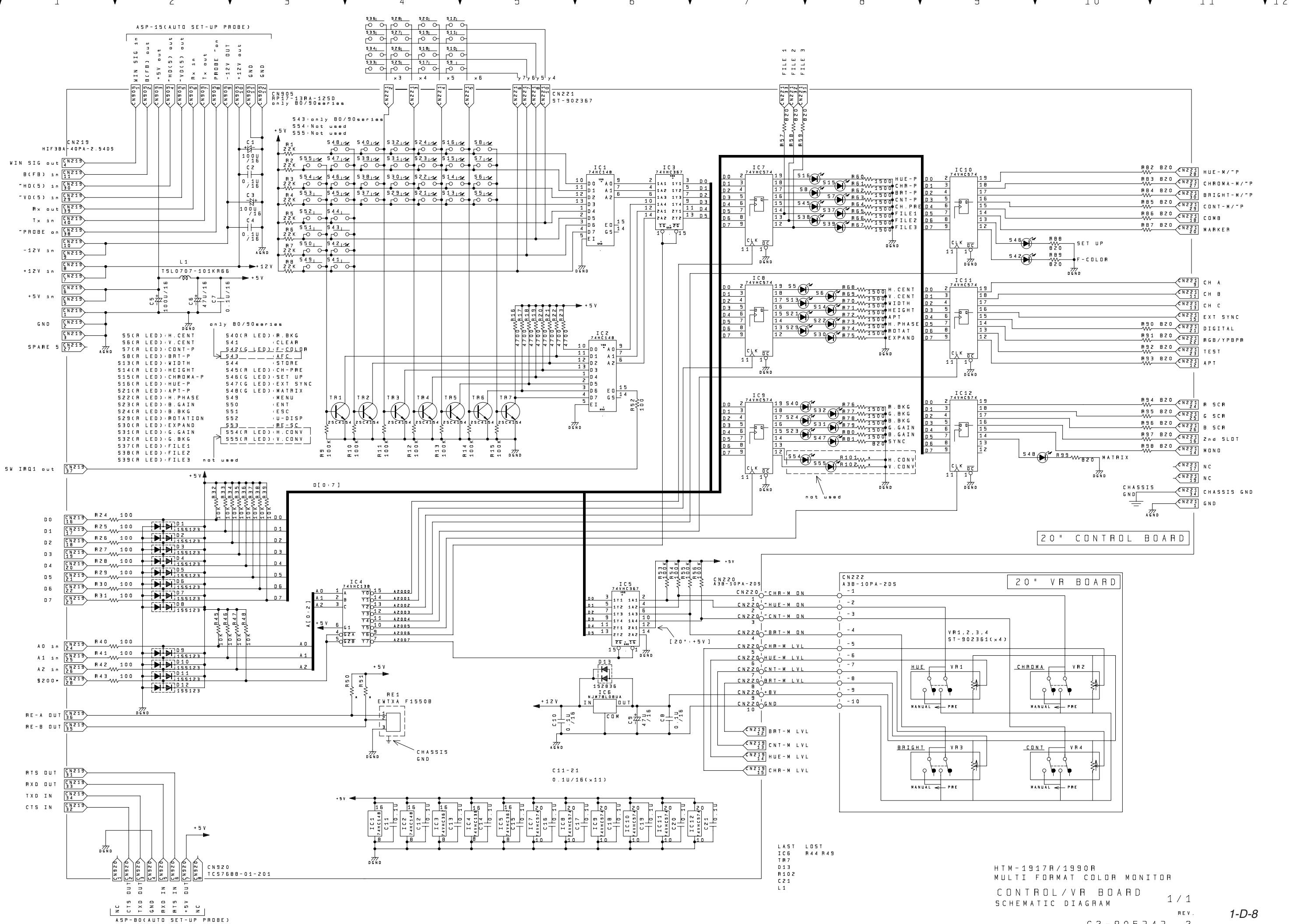


FRONT LEFT BOARD  
Parts Location  
C3-N45095

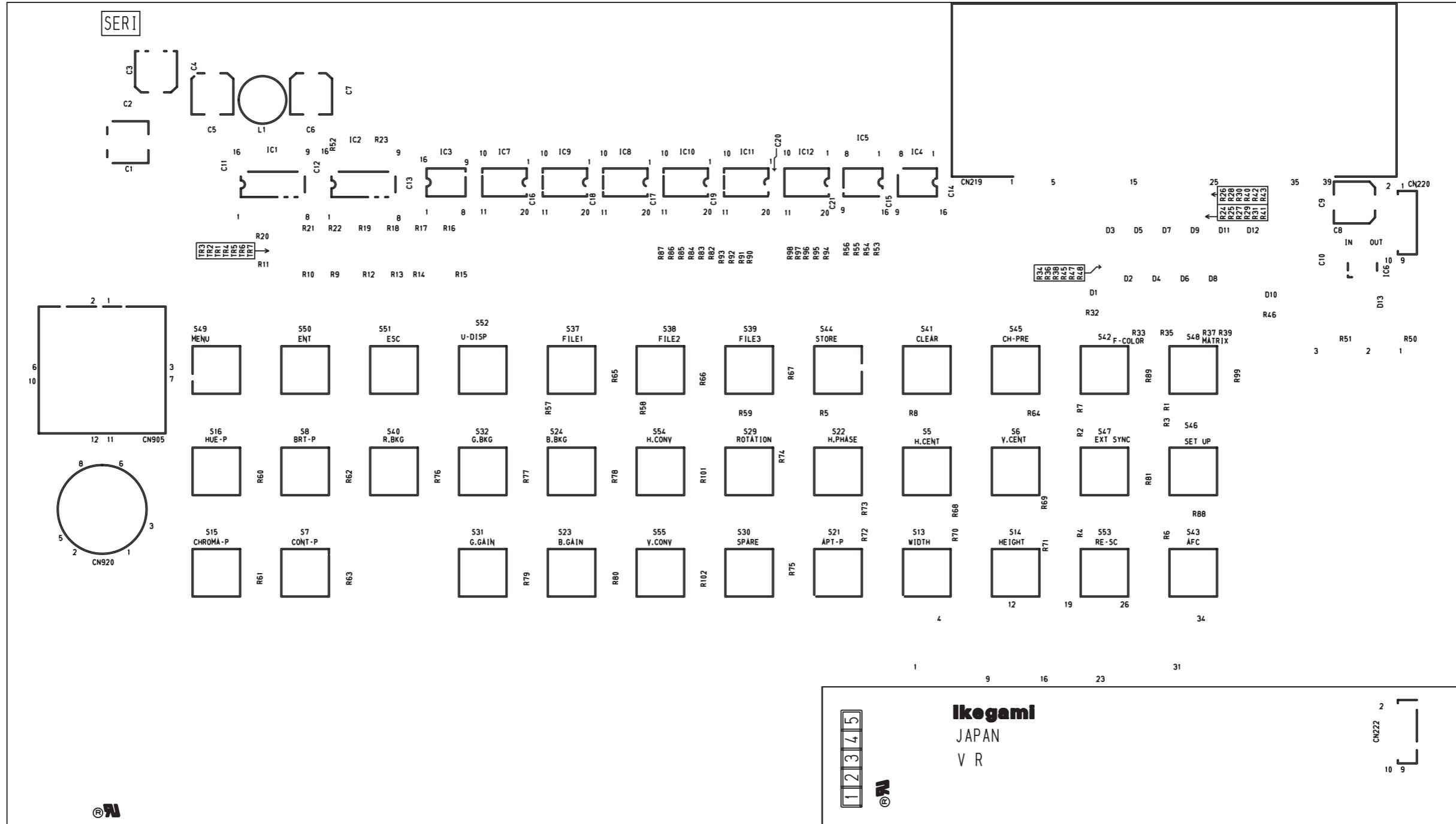
A SIDE



IR BOARD  
Parts Location  
C4-N59059

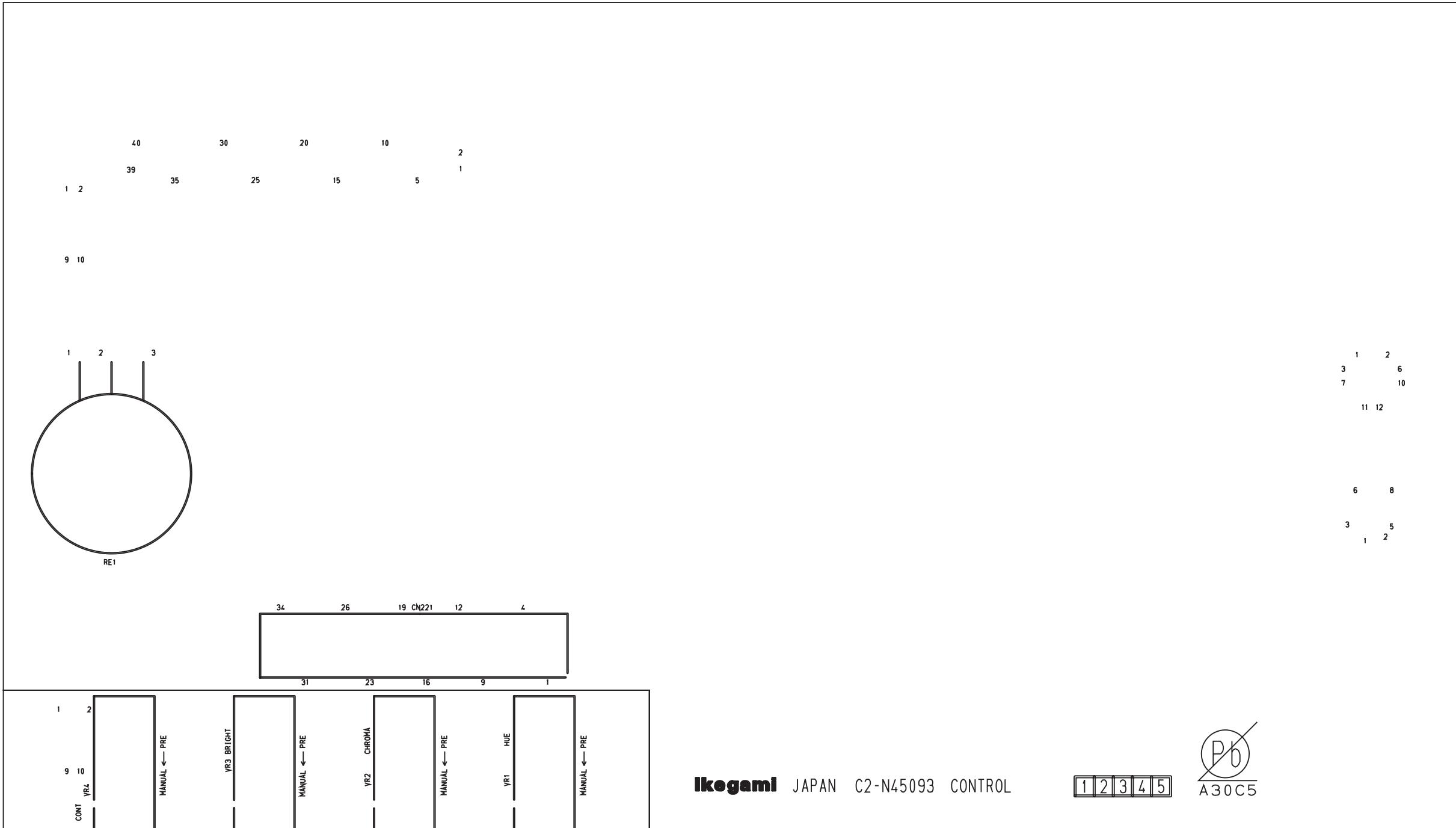


## A SIDE



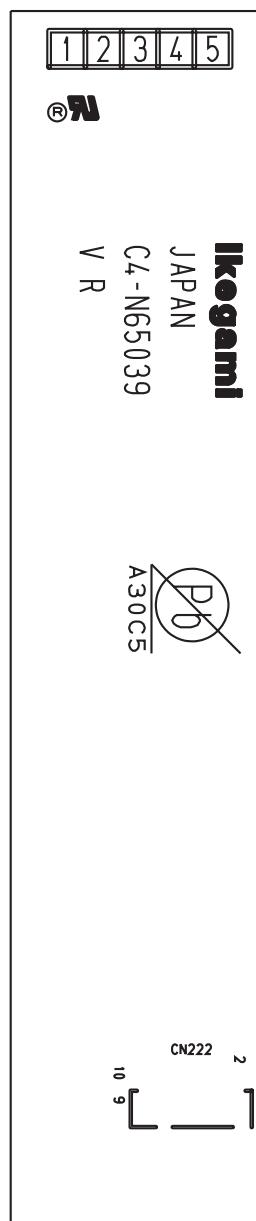
**CONTROL BOARD**  
Parts Location  
**C2-N45093**

B SIDE

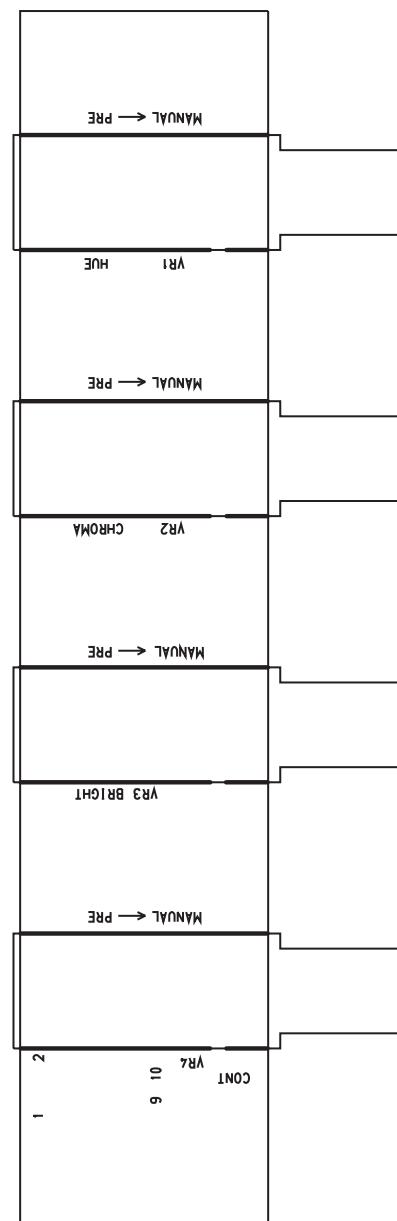


CONTROL BOARD  
Parts Location  
C2-N45093

A SIDE



B SIDE



19VR BOARD  
Parts Location  
C4-N65039

1 2 3 4

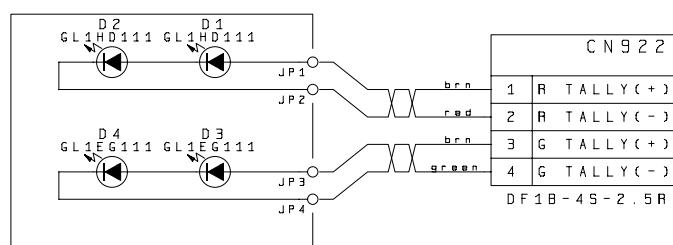
A

B

C

D

E



HTM - 1517R / 1917R / 1990R  
MULTI FORMAT COLOR MONITOR

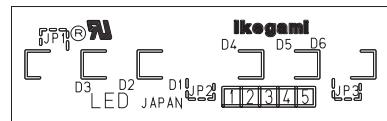
LED BOARD  
SCHEMATIC DIAGRAM

1 / 1 F

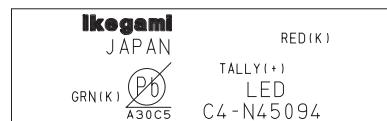
REV.

C4-905470 2

## A SIDE



## B SIDE



LED BOARD  
Parts Location  
C4-N45094

## **2. ELECTRIC PARTS LIST**

- How to read the parts list ..... 2-1
- Manufacturer's Code ..... 2-1
- Parts List ..... 2-3

## How to read the parts list

### Example

**CRT SOCKET BOARD**

SYMBOL	PARTS CODE	MFD.
< Transistors >		
TR 1	2SC1514	HIT
TR 2	2SC1514	HIT
< Diodes >		
D 1	DFH10G	SYO

- ①… Name of module
- ②… Category of parts
- ③… Parts number shown on circuit diagram
- ④… Model number of parts
- ⑤… Manufacturer

### • Notice.

1. Please pay attention to handle the following parts.  
**C-MOSIC, Transformer**
2. Parts marked **※** are subject without notice for adjustment.
3. Parts marked **★** are critical components for **X-RADIATION**.  
When replacing it, be sure to use the specified parts.
4. Parts marked **★** are critical components for **SAFETY STANDARD**.  
When replacing it, be sure to used the specified parts.
5. All parts are subject to change without notice for modification sue to progression of technology.

## Manufacturer's Code

ALP	ALPS ELECTRIC CO.,LTD.	JAPAN
ALT	JAPAN ALTERA CORPORATION	JAPAN
AMP	TYCO ELECTRONICS AMP CO.,LTD.	JAPAN
AND	ANALOG DEVICES, INC.	U.S.A
ATB	KOMAMURA CORP.	JAPAN
CNHA	CHUANGHWA PICTURE TUBES. LTD.	CHINA
COS	TOKYO COSMOS ELECTRIC CO.,LTD.	JAPAN
CPL	COPAL ELECTRONICS CO.,LTD.	JAPAN
CSL	COSEL CO.,LTD.	JAPAN
CTZD	CITIZEN ELECTRONICS CO.,LTD	JAPAN
CYP	CYPRESS SEMICONDUCTOR CORPORATION	U.S.A
DON	DONGIL TECHNOLOGY LTD.	KOREA
ELC	KYOCERA ELCO CORPORATION	JAPAN
EMD	EMUDEN MUSEN KOGYO CO.,LTD.	JAPAN
EMK	ELMEC TECHNOLOGY OF AMERICA, INC.	U.S.A
FJE	FUJI ELECTRIC HOLDINGS CO.,LTD.	JAPAN
FJS	FUJISOKU CORPORATION	JAPAN
FRNT	FRONTEK CO.,LTD.	KOREA
GNM	GENUM CORPORATION	CANADA
HIT	HITACHI, LTD.	JAPAN
HOS	HOSHIDEN CORPORATION	JAPAN
HRS	HIROSE ELECTRIC CO.,LTD.	JAPAN
IDX	IDX COMPANY, LTD.	JAPAN
IRS	IRISO ELECTRONICS CO.,LTD.	JAPAN

IZM	IDE CORPORATION	JAPAN
JAE	JAPAN AVIATION ELECTRONICS INDUSTRY, LTD.	JAPAN
JPC	JPC CO.,LTD.	JAPAN
KIN	KONKO CO.,LTD	JAPAN
KMY	KAMAYA ELECTRIC CO.,LTD.	JAPAN
KND	CANARE ELECTRIC CO.,LTD.	JAPAN
KNGB	KINGBRIGHT CORPORATION	U.S.A
KOA	KOA CORPORATION	JAPAN
LGPH	LG.PHILIPS LCD CO.,LTD.	KOREA
LTC	LATTICE SEMICONDUCTOR CORPORATION	U.S.A
LTN	LINEAR TECHNOLOGY CORPORATION	U.S.A
MAC	MAC-EIGHT CO.,LTD.	JAPAN
MAT	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.	JAPAN
MCT	MICROCHIP TECHNOLOGY INC.	U.S.A
MEC	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.	JAPAN
MIT	mitsubishi electric corporation	JAPAN
MITM	mitsubishi materials corporation	JAPAN
MIZ	MIZUTANI ELECTRIC IND.CO.,LTD.	JAPAN
MTDK	MATSUSHITA BATTERY INDUSTRIAL CO.,LTD.	JAPAN
MTM	mitsumi electric co.,ltd.	JAPAN
MUR	MURATA MANUFACTURING CO.,LTD.	JAPAN
NAT	J.S.T. MFG. CO.,LTD.	JAPAN
NCC	MATSUO ELECTRIC CO.,LTD.	JAPAN
NCH	NIPPON CHEMI-CON CO.,LTD.	JAPAN
NEC	NEC CORPORATION	JAPAN
NIC	NICOON CO.,LTD.	JAPAN
NKM	NIKKOHM CO.,LTD.	JAPAN
NSC	MATIONAL SEMICONDUCTOR CORPORATION	U.S.A
NSD	NISSEI ELECTRIC CO.,LTD.	JAPAN
NTR	NEUTRIK CO.,LTD	LIECHTENSTEIN
OMR	OMRON CORPORATION	JAPAN
PCM	PERICOM SEMICONDUCTORS	U.S.A
PHI	NXP SEMICONDUCTORS	HOLLAND
RNES	RENESAS TECHNOLOGY CORP.	JAPAN
ROM	ROHM CO.,LTD.	JAPAN
RVE	RIVER ELETEC CORPORATION	JAPAN
SAY	SANYO DENKI CO.,LTD.	JAPAN
SEKE	SEIKO EPSON CORPORATION	JAPAN
SIPX	SIPEX CORPORATION	U.S.A
SJRC	NEW JAPAN RADIO CO.,LTD.	JAPAN
SKK	SHIN-ETSU CHEMICAL CO.,LTD.	JAPAN
SKO	SANKOSYA CO.,LTD.	JAPAN
SKR	SAKURA SOHGYO CO.,LTD.	JAPAN
SLC	VISHAY INTERTECHNOLOGY INC.	U.S.A
SMS	STANDARD MICROSYSTEMS CORPORATION	U.S.A
SND	SHINDENGEN ELECTRIC MANUFACTURING CO.,LTD.	JAPAN
SNEC	SHINYEI KAISHA	JAPAN
SNGS	SHINAGAWA SHOKO CO.,LTD.	JAPAN
SON	SONY CORPORATION	JAPAN
SSM	SUSUMU CO.,LTD.	JAPAN
SST	SILICON STRAGE TECHNOLOGY, INC.	U.S.A
STL	STANLEY ELECTRIC CO.,LTD.	JAPAN
STRT	STARTECH, LTD.	JAPAN
SYO	SANYO SEMICONDUCTOR CO.,LTD.	JAPAN
TAM	TAMA ELECTRIC CO.,LTD.	JAPAN
TDK	TDK CORPORATION	JAPAN
TEX	TEXAS INSTRUMENT INCORPORATED	U.S.A
THIN	THINE ELECTRONICS, INC.	JAPAN
TKCK	TOKYO CONE PAPER MANUFACTURE CO.,LTD.	JAPAN
TOKW	TOKIWA & CO.,INC.	JAPAN
TSB	TOSHIBA CORPORATION	JAPAN
TTE	TOHTSU ELECTRONICS CO.,LTD.	JAPAN
TYU	TAIYO YUDEN CO.,LTD.	JAPAN
UTK	UTSUNOMIYA TSUSHIN INDUSTRY CO.,LTD.	JAPAN

**MAIN CHASSIS (1917R/1990R)**

PP-906518

**CRT**

1-N65035

**MOTHER BOARD (1990R)**

PP-906521

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< FAN MOTORS >								
B 901	F614T12MB1	CPL	V 901	M46AJS13X46(SMV)	CNHA	C 1	EMVK350ADA100ME55G	NCH
B 901	109139E	SAY				C 2	EMVK350ADA100ME55G	NCH
< CABLE ASSEMBLIES >								
CA 901	90C4N64063	UTK				C 3	EMVY160ADA101MF55	NCH
CA 902	90C4N65041	UTK				C 4	EMVK350ADA100ME55G	NCH
CA 903	90C4N64052	UTK				C 5	EMVK350ADA100ME55G	NCH
CA 904	90C4N64135	SKR				C 6	EMVY160ADA101MF55	NCH
CA 905	90C4N64065	UTK				C 7	EMVK350ADA100ME55G	NCH
CA 906	90C4N64134	SKR				C 8	EMVK350ADA100ME55G	NCH
CA 908	90C4N64083	UTK				C 9	EMVY160ADA101MF55	NCH
CA 910	90C4N65042	UTK				C 10	EMVK350ADA100ME55G	NCH
CA 911	90C4N65043	UTK				C 11	EMVK350ADA100ME55G	NCH
CA 912	90C4N65044	UTK				C 12	EMVY160ADA101MF55	NCH
CA 913	90C4N64069	UTK				C 13	EMVY160ADA101MF55	NCH
CA 914	90C4N65040	UTK				C 52	GRM1884C1H2R0CZ01	MUR
CA 917	90C4N64084	UTK				C 53	GRM188B11E104KA01	MUR
CA 921	90C4N64062	UTK				C 55	※	
CA 923	90C4N65045	UTK				C 57	※	
< CONNECTORS >								
CN 902	DF12S2R5R2405	HRS				C 59	GRM1884C1H2R0CZ01	MUR
CN 902	DF12A1R33	HRS				C 60	GRM188B11E104KA01	MUR
CN 927	03507801	AMP				C 62	※	
CN 927	3506901	AMP				C 64	※	
CN 929	3507791	AMP				C 66	GRM1884C1H2R0CZ01	MUR
CN 929	3506891	AMP				C 67	GRM188B11E104KA01	MUR
< COILS >								
L 902	90ST4N65046	TAM				C 69	※	
L 903	90ST4N65047	TAM				C 71	※	
< CRT >								
V 901	M46AJS13X46SMV	CNHA				C 73	GRM1884C1H2R0CZ01	MUR
						C 74	GRM188B11E104KA01	MUR
< CONNECTORS >								
						C 76	※	
						C 78	※	
						C 80	GRM1884C1H2R0CZ01	MUR
						C 81	GRM188B11E104KA01	MUR
< DIODES >								
D 1	D2F605063	SND				D 9	1SS123A7T1BA	NEC
D 2	D2F605063	SND				D 10	1SS123A7T1BA	NEC
D 3	D2F605063	SND				D 11	1SS123A7T1BA	NEC
D 4	D2F605063	SND				D 12	1SS123A7T1BA	NEC
D 5	D2F605063	SND				D 13	1SS123A7T1BA	NEC
D 6	D2F605063	SND				D 14	1SS123A7T1BA	NEC
D 7	D2F605063	SND				D 15	1SS123A7T1BA	NEC
D 8	D2F605063	SND				D 16	1SS123A7T1BA	NEC
D 9	1SS123A7T1BA	NEC				D 17	1SS123A7T1BA	NEC
D 10	1SS123A7T1BA	NEC				D 18	1SS123A7T1BA	NEC
D 11	1SS123A7T1BA	NEC				D 19	1SS123A7T1BA	NEC
D 12	1SS123A7T1BA	NEC				D 20	1SS123A7T1BA	NEC
D 13	1SS123A7T1BA	NEC				D 21	1SS123A7T1BA	NEC

**MPU BOARD (COMMON)**  
**PP-906316**

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
<hr/>								
D 22	ISS123A7T1BA	NEC	R 84	RGC1/16C472DTP	KMY	< BATTERY >		
D 23	ISS123A7T1BA	NEC	R 85	RGC1/16C472DTP	KMY			
D 24	ISS123A7T1BA	NEC	R 86	RGC1/16C102DTP	KMY	BT 201 BR23301HF		
D 25	ISS123A7T1BA	NEC	R 87	RGC1/16C472DTP	KMY			
D 26	ISS123A7T1BA	NEC	R 88	RGC1/16C472DTP	KMY	< CAPACITORS >		
D 27	ISS123A7T1BA	NEC	R 89	RGC1/16C102DTP	KMY			
D 28	ISS123A7T1BA	NEC	< TEST POINTS >			C 101	GRM188B11H103KA01	MUR
D 29	ISS123A7T1BA	NEC				C 102	GRM188B11H103KA01	MUR
< INTEGRATED CIRCUITS >								
IC 1	LM1085ITADJNOPB	NSC	TP 1	EYF6CU	MAT	C 104	GRM188B11H103KA01	MUR
IC 1	TC45CCPTO220	SKK	TP 2	EYF6CU	MAT	C 105	GRM188B11H103KA01	MUR
IC 2	LM1085ITADJNOPB	NSC	TP 3	EYF6CU	MAT	C 106	GRM188B11H103KA01	MUR
IC 2	TC45CCPTO220	SKK	TP 4	EYF6CU	MAT	C 107	GRM188B11H103KA01	MUR
IC 3	LM337TNOPB	NSC	TP 5	EYF6CU	MAT	C 108	GRM188B11H103KA01	MUR
IC 3	TC45CCPTO220	SKK	< VARIABLE RESISTORS >			C 109	GRM188B11H103KA01	MUR
IC 4	LM1085ITADJNOPB	NSC	VR 1	ST4ETB201	CPL	C 110	GRM188B11H103KA01	MUR
IC 4	TC45CCPTO220	SKK	VR 2	ST4ETB201	CPL	C 111	GRM188B11H103KA01	MUR
< COILS >								
L 1	SLF7045T101MR50PF	TDK	VR 3	ST4ETB201	CPL	C 112	GRM188B11H103KA01	MUR
< RESISTORS >			VR 4	ST4ETB201	CPL	C 113	GRM188B11H103KA01	MUR
R 1	RGC1/16C221DTP	KMY				C 114	GRM188B11H103KA01	MUR
R 2	RGC1/16C221DTP	KMY				C 115	EMVL160ADA100MD60	NCH
R 3	RGC1/16C182DTP	KMY				C 116	EMVL160ADA470MF60	NCH
R 4	RGC1/16C182DTP	KMY				C 117	GRM188B11E104KA01	MUR
R 5	RGC1/16C221DTP	KMY				C 118	GRM188B11E104KA01	MUR
R 6	RGC1/16C221DTP	KMY				C 119	EMVL160ADA100MD60	NCH
R 7	RGC1/16C561DTP	KMY				C 120	GRM40B105K16PT	MUR
R 8	RGC1/16C561DTP	KMY				C 121	GRM1882C1H151JA01	MUR
R 9	RGC1/16C221DTP	KMY				C 122	16SVP100M	SYO
R 10	RGC1/16C221DTP	KMY				C 123	GRM188B11E104KA01	MUR
R 11	RGC1/16C182DTP	KMY				C 124	16SVP100M	SYO
R 12	RGC1/16C182DTP	KMY				C 125	GRM188B11E104KA01	MUR
R 13	RGC1/16C221DTP	KMY				C 126	16SVP100M	SYO
R 14	RGC1/16C221DTP	KMY				C 127	GRM188B11E104KA01	MUR
R 15	RGC1/16C182DTP	KMY				C 128	GRM188B11E104KA01	MUR
R 16	RGC1/16C182DTP	KMY				C 129	GRM188B11E104KA01	MUR
R 51	RGC1/16C472DTP	KMY				C 130	GRM188B11E104KA01	MUR
R 52	RGC1/16C472DTP	KMY				C 131	GRM188B11E104KA01	MUR
R 53	RGC1/16C102DTP	KMY				C 132	GRM188B11E104KA01	MUR
R 54	RGC1/16C472DTP	KMY				C 133	GRM188B11E104KA01	MUR
R 55	RGC1/16C472DTP	KMY				C 134	GRM188B11E104KA01	MUR
R 56	RGC1/16C102DTP	KMY				C 135	GRM188B11E104KA01	MUR
R 57	RGC1/16C472DTP	KMY				C 136	GRM188B11E104KA01	MUR
R 58	RGC1/16C472DTP	KMY				C 137	GRM1882C1H102JA01	MUR
R 59	RGC1/16C102DTP	KMY				C 201	GRM188B11E104KA01	MUR
R 60	RGC1/16C472DTP	KMY				C 202	GRM21BB10J106KE01	MUR
R 61	RGC1/16C472DTP	KMY				C 203	GRM188B11E104KA01	MUR
R 62	RGC1/16C102DTP	KMY				C 204	GRM188B11E104KA01	MUR
R 63	RGC1/16C472DTP	KMY				C 205	GRM188B11E104KA01	MUR
R 64	RGC1/16C472DTP	KMY				C 206	GRM1882C1H150JA01	MUR
R 65	RGC1/16C102DTP	KMY				C 207	GRM1882C1H150JA01	MUR
R 66	RGC1/16C472DTP	KMY				C 208	GRM1882C1H101JA01	MUR
R 67	RGC1/16C472DTP	KMY				C 209	GRM21BB11E1474KC01	MUR
R 68	RGC1/16C102DTP	KMY				C 210	GRM188B11E104KA01	MUR
R 69	RGC1/16C472DTP	KMY				C 211	EMVL160ADA100MD60	NCH
R 70	RGC1/16C472DTP	KMY				C 212	EKMG250ETC471MJC5	NCH
R 71	RGC1/16C102DTP	KMY				C 213	GRM188B11E104KA01	MUR
R 72	RGC1/16C472DTP	KMY				C 214	GRM188B11E104KA01	MUR
R 73	RGC1/16C472DTP	KMY				C 215	GRM1882C1H471JA01	MUR
R 74	RGC1/16C102DTP	KMY				C 216	GRM40B105K16PT	MUR
R 75	RGC1/16C472DTP	KMY				C 217	※	
R 76	RGC1/16C472DTP	KMY				C 218	※	
R 77	RGC1/16C102DTP	KMY				C 219	※	
R 78	RGC1/16C472DTP	KMY				C 220	GRM188B11E104KA01	MUR
R 79	RGC1/16C472DTP	KMY				C 221	GRM188B11E104KA01	MUR
R 80	RGC1/16C102DTP	KMY				C 222	EMVL160ADA100MD60	NCH
R 81	RGC1/16C472DTP	KMY				C 223	EMVL160ADA100MD60	NCH
R 82	RGC1/16C472DTP	KMY				C 224	EMVL160ADA100MD60	NCH
R 83	RGC1/16C102DTP	KMY				C 225	EMVL160ADA100MD60	NCH

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
C 233	GRM188B11E104KA01	MUR	C 361	GRM188B11E104KA01	MUR	D 116	1SS302TE85RF	TSB
C 234	GRM188B11E104KA01	MUR	C 362	GRM188B11E104KA01	MUR	D 117	1SS302TE85RF	TSB
C 235	GRM188B11E104KA01	MUR	C 401	GRM188B11E104KA01	MUR	D 118	1SS302TE85RF	TSB
C 236	GRM188B11E104KA01	MUR	C 402	GRM188B11E104KA01	MUR	D 119	1SS302TE85RF	TSB
C 237	GRM188B11E104KA01	MUR	C 403	GRM188B11E104KA01	MUR	D 120	1SS302TE85RF	TSB
C 238	GRM188B11E104KA01	MUR	C 404	GRM188B11E104KA01	MUR	D 121	1SS302TE85RF	TSB
C 239	GRM188B11E104KA01	MUR	C 405	6SVP22M	SYO	D 122	1SS302TE85RF	TSB
C 240	RTHE40TKSL100K	MITM	C 406	GRM188B11E104KA01	MUR	D 123	1SS302TE85RF	TSB
C 241	GRM188B11E104KA01	MUR	C 407	GRM188B11E104KA01	MUR	D 124	1SS302TE85RF	TSB
C 242	GRM188B11E104KA01	MUR	C 408	GRM188B11E104KA01	MUR	D 125	1SS302TE85RF	TSB
C 243	GRM188B11E104KA01	MUR	C 409	GRM188B11E104KA01	MUR	D 126	1SS302TE85RF	TSB
C 244	GRM188B11E104KA01	MUR	C 410	GRM188B11E104KA01	MUR	D 127	1SS302TE85RF	TSB
C 245	GRM188B11E104KA01	MUR	C 411	GRM188B11E104KA01	MUR	D 128	1SS302TE85RF	TSB
C 246	GRM188B11E104KA01	MUR	C 412	※		D 129	1SS302TE85RF	TSB
C 247	RTHE40TKSL100K	MITM	C 413	※		D 130	1SS302TE85RF	TSB
C 301	GRM1882C1H102JA01	MUR	C 414	267E1602336MR720	NCC	D 131	1SS302TE85RF	TSB
C 302	GRM1882C1H101JA01	MUR	C 415	GRM40B105K16PT	MUR	D 132	1SS302TE85RF	TSB
C 303	GRM188B11E104KA01	MUR	C 416	GRM188B11E104KA01	MUR	D 133	1SS302TE85RF	TSB
C 304	267M3502224MR	NCC	C 417	GRM188B11E104KA01	MUR	D 134	1SS302TE85RF	TSB
C 305	GRM188B11H103KA01	MUR	C 418	GRM188B11E104KA01	MUR	D 135	1SS302TE85RF	TSB
C 306	GRM188B11E104KA01	MUR	C 419	EMVY160ADA101MF55	NCH	D 136	1SS302TE85RF	TSB
C 307	GRM188B11E104KA01	MUR	C 420	EMVY160ADA101MF55	NCH	D 137	1SS301TE85RF	TSB
C 308	EMVL160ADA100MD60	NCH	C 421	GRM188B11E104KA01	MUR	D 138	RD2R0MBT1BA	NEC
C 309	GRM1882C1H220JA01	MUR	C 422	GRM188B11E104KA01	MUR	D 139	1SS302TE85RF	TSB
C 310	GRM1882C1H220JA01	MUR	C 423	GRM188B11E104KA01	MUR	D 140	1SS302TE85RF	TSB
C 311	※		C 424	GRM188B11E104KA01	MUR	D 141	1SS302TE85RF	TSB
C 312	※		C 425	EMVL160ADA470MF60	NCH	D 142	1SS302TE85RF	TSB
C 313	GRM1882C1H102JA01	MUR	C 426	※		D 143	1SS302TE85RF	TSB
C 314	GRM188B11E104KA01	MUR	C 427	※		D 144	1SS302TE85RF	TSB
C 315	GRM188B11E104KA01	MUR	C 428	267E1602336MR720	NCC	D 145	1SS302TE85RF	TSB
C 316	6SVP22M	SYO	C 429	EMVL160ADA470MF60	NCH	D 201	1SS154TE85LF	TSB
C 317	GRM188B11E104KA01	MUR	C 430	GRM188B11E104KA01	MUR	D 202	1SS154TE85LF	TSB
C 318	GRM188B11E104KA01	MUR	C 431	267E1602336MR720	NCC	D 203	1SS154TE85LF	TSB
C 319	GRM188B11E104KA01	MUR	C 432	GRM1882C1H680JA01	MUR	D 204	1SS301TE85RF	TSB
C 320	GRM188B11E104KA01	MUR	C 433	※		D 205	1SS302TE85RF	TSB
C 321	GRM188B11E104KA01	MUR	C 434	GRM188B11E104KA01	MUR	D 206	1SS302TE85RF	TSB
C 322	EMVL160ADA470MF60	NCH	C 435	GRM188B11E104KA01	MUR	D 207	1SS302TE85RF	TSB
C 323	GRM188B11E104KA01	MUR	C 436	GRM188B11E104KA01	MUR	D 301	1SS302TE85RF	TSB
C 324	EMVL160ADA470MF60	NCH	C 437	GRM188B11E104KA01	MUR	D 401	1SS300TE85RF	TSB
C 325	GRM188B11E104KA01	MUR	C 438	GRM188B11E104KA01	MUR		< INTEGRATED CIRCUITS >	
C 326	GRM188B11E104KA01	MUR	C 439	GRM188B11E104KA01	MUR			
C 327	GRM188B11E104KA01	MUR	C 440	GRM188B11E104KA01	MUR			
C 328	GRM188B11E104KA01	MUR	C 441	GRM188B11E104KA01	MUR	IC 101	SN74LV541APWR	TEX
C 329	※		C 442	GRM188B11E104KA01	MUR	IC 102	SN74LV541APWR	TEX
C 330	GRM188B11H223KA01	MUR	C 443	GRM188B11E104KA01	MUR	IC 103	SN74LV541APWR	TEX
C 331	GRM188B11H223KA01	MUR				IC 104	SN74LV541APWR	TEX
C 332	GRM188B11H223KA01	MUR				IC 105	SN74LV541APWR	TEX
C 333	GRM188B11H223KA01	MUR				IC 106	SN74LV245APWR	TEX
C 334	GRM188B11H223KA01	MUR	CM909	BCJFPLV01	KND	IC 107	LM311PSETAPL	TEX
C 335	GRM188B11H223KA01	MUR	CM909	BN6003	KND	IC 108	TC74VHC123AFTEL	TSB
C 336	GRM188B11H223KA01	MUR	CM910	BCJFPLV01	KND	IC 109	SN74LV00APWR	TEX
C 337	GRM188B11H223KA01	MUR	CM910	BN6003	KND	IC 110	SN74LV00APWR	TEX
C 338	GRM188B11H223KA01	MUR	CN 1	PCN12A50P2R54DS71	HRS	IC 201	90ST9032733	SST
C 339	GRM188B11H223KA01	MUR	CN 2	PCN12A64P2R54DS71	HRS	IC 201	544LF03231SMO	TOKW
C 340	GRM188B11H223KA01	MUR	CN 25	XM4L1542502	OMR	IC 202	UPD43256BGU70LLA	NEC
C 341	GRM188B11H223KA01	MUR	CN 25	XM4Z0023	OMR	IC 203	LM311PSETAPL	TEX
C 342	GRM188B11H223KA01	MUR	CN 303	PS10PED4T1PN1	JAE	IC 204	HD64F2238BFA13V	RNES
C 343	GRM188B11E104KA01	MUR				IC 205	SN74LV541APWR	TEX
C 344	GRM188B11E104KA01	MUR				IC 206	MAX232DWR	TEX
C 345	GRM188B11E104KA01	MUR				IC 207	TC7SU04FUTE85LF	TSB
C 346	GRM188B11H103KA01	MUR	D 101	1SS301TE85RF	TSB	IC 208	M51957BFPCF1J	MIT
C 347	GRM188B11E104KA01	MUR	D 102	1SS301TE85RF	TSB	IC 209	M35075001FPU0	MIT
C 348	GRM188B11E104KA01	MUR	D 103	1SS301TE85RF	TSB	IC 210	TC74HC4053AFTEL	TSB
C 349	GRM188B11E104KA01	MUR	D 104	1SS301TE85RF	TSB	IC 211	TC74HC4053AFTEL	TSB
C 350	EMVL160ADA470MF60	NCH	D 105	1SS301TE85RF	TSB	IC 212	SN74AHC08PWR	TEX
C 351	GRM188B11E104KA01	MUR	D 106	1SS301TE85RF	TSB	IC 213	SN74AHC04PWR	TEX
C 352	GRM188B11E104KA01	MUR	D 107	1SS301TE85RF	TSB	IC 214	SN74LV4040APWR	TEX
C 353	GRM188B11E104KA01	MUR	D 108	1SS301TE85RF	TSB	IC 215	SN74LV74APWR	TEX
C 354	GRM188B11E104KA01	MUR	D 109	1SS301TE85RF	TSB	IC 216	SN74LV4040APWR	TEX
C 355	GRM188B11E104KA01	MUR	D 110	1SS301TE85RF	TSB	IC 217	SN74LV574APWR	TEX
C 356	GRM188B11E104KA01	MUR	D 111	1SS301TE85RF	TSB	IC 218	SN74LV541APWR	TEX
C 357	GRM188B11E104KA01	MUR	D 112	1SS301TE85RF	TSB	IC 219	SN74LV4040APWR	TEX
C 358	GRM188B11E104KA01	MUR	D 113	1SS301TE85RF	TSB	IC 220	SN74LV574APWR	TEX
C 359	GRM188B11E104KA01	MUR	D 114	1SS301TE85RF	TSB	IC 221	SN74LV541APWR	TEX
C 360	GRM188B11E104KA01	MUR	D 115	1SS302TE85RF	TSB	IC 222	SN74LV00APWR	TEX

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
IC 223	SN74AHC32PWR	TEX	L 201	BLM21A601SPT	MUR	R 64	RGC1/16C101DTP	KMY
IC 224	SN74LV541APWR	TEX	L 202	BLM21A601SPT	MUR	R 65	RGC1/16C101DTP	KMY
IC 225	SN74LV541APWR	TEX	L 203	BLM21A601SPT	MUR	R 66	RGC1/16C101DTP	KMY
IC 226	SN74LV138APWR	TEX	L 301	BLM21A601SPT	MUR	R 67	※	
IC 227	SN74LV138APWR	TEX	L 302	BLM21A601SPT	MUR	R 68	RMC1/16104FTP	KMY
IC 228	SN74LV138APWR	TEX	L 401	BLM21A601SPT	MUR	R 69	RMC1/16104FTP	KMY
IC 301	TC74VHC123AFTEL	TSB	L 402	BLM21A601SPT	MUR	R 70	RMC1/16104FTP	KMY
IC 302	SN74LV00APWR	TEX	L 403	BLM21A601SPT	MUR	R 71	RMC1/16104FTP	KMY
IC 303	TLC2932IPWRG4	TEX	L 404	BLM21A601SPT	MUR	R 72	RMC1/16104FTP	KMY
IC 304	SN74LV574APWR	TEX				R 73	RMC1/16104FTP	KMY
IC 305	SN74LV00APWR	TEX		< RESISTORS >		R 74	RMC1/16104FTP	KMY
IC 306	SN74LV74APWR	TEX				R 75	RMC1/16104FTP	KMY
IC 307	TC7SU04FUTE85LF	TSB	R 1	RGC1/16C332DTP	KMY	R 76	RGC1/16C101DTP	KMY
IC 308	TC7SU04FUTE85LF	TSB	R 2	RGC1/16C332DTP	KMY	R 77	RGC1/16C101DTP	KMY
IC 309	SN74LV00APWR	TEX	R 3	RGC1/16C332DTP	KMY	R 78	RGC1/16C101DTP	KMY
IC 310	SN74LV00APWR	TEX	R 4	RGC1/16C332DTP	KMY	R 79	RGC1/16C101DTP	KMY
IC 311	90ST903276	ALT	R 5	RGC1/16C332DTP	KMY	R 80	RGC1/16C101DTP	KMY
IC 312	SN74LV574APWR	TEX	R 6	RGC1/16C332DTP	KMY	R 81	RGC1/16C101DTP	KMY
IC 313	SN74LV574APWR	TEX	R 7	RGC1/16C332DTP	KMY	R 82	RGC1/16C101DTP	KMY
IC 314	SN74LV574APWR	TEX	R 8	RGC1/16C332DTP	KMY	R 83	RGC1/16C101DTP	KMY
IC 315	AD7533KRZ	AND	R 9	RGC1/16C332DTP	KMY	R 84	RMC1/16104FTP	KMY
IC 316	TL062CPWETAPL	TEX	R 10	RGC1/16C332DTP	KMY	R 85	RMC1/16104FTP	KMY
IC 317	LM4040CIM3X2R5NOP	NSC	R 11	RGC1/16C332DTP	KMY	R 86	RMC1/16104FTP	KMY
IC 318	TC4051BFTELN	TSB	R 12	RGC1/16C332DTP	KMY	R 87	RMC1/16104FTP	KMY
IC 319	TC4051BFTELN	TSB	R 13	RGC1/16C332DTP	KMY	R 88	RMC1/16104FTP	KMY
IC 320	TL062CPWETAPL	TEX	R 14	RGC1/16C332DTP	KMY	R 89	RMC1/16104FTP	KMY
IC 321	TL062CPWETAPL	TEX	R 15	RMC1/16104FTP	KMY	R 90	RMC1/16104FTP	KMY
IC 322	TL062CPWETAPL	TEX	R 16	RMC1/16104FTP	KMY	R 91	RMC1/16104FTP	KMY
IC 323	TL062CPWETAPL	TEX	R 17	RMC1/16104FTP	KMY	R 92	RMC1/16JPTP	KMY
IC 324	TL062CPWETAPL	TEX	R 18	RMC1/16104FTP	KMY	R 93	RMC1/16JPTP	KMY
IC 325	TL062CPWETAPL	TEX	R 19	RMC1/16104FTP	KMY	R 94	RGC1/16C473DTP	KMY
IC 326	TC4053BFTELN	TSB	R 20	RMC1/16104FTP	KMY	R 95	RMC1/16224FTP	KMY
IC 327	TC4W53FUTE12LF	TSB	R 21	RMC1/16104FTP	KMY	R 96	RGC1/16C472DTP	KMY
IC 328	TC4051BFTELN	TSB	R 22	RMC1/16104FTP	KMY	R 97	RMC1/16224FTP	KMY
IC 329	TL062CPWETAPL	TEX	R 23	RMC1/16104FTP	KMY	R 98	RGC1/16C103DTP	KMY
IC 330	TC74HC4053AFTEL	TSB	R 24	RMC1/16104FTP	KMY	R 99	RGC1/16C103DTP	KMY
IC 401	SN74LV574APWR	TEX	R 25	RMC1/16104FTP	KMY	R 100	RMC1/16474FTP	KMY
IC 402	SN74LV574APWR	TEX	R 26	RMC1/16104FTP	KMY	R 101	RGC1/16C101DTP	KMY
IC 403	SN74LV574APWR	TEX	R 27	RMC1/16104FTP	KMY	R 102	RGC1/16C103DTP	KMY
IC 404	TC74HC688AFF	TSB	R 28	RMC1/16104FTP	KMY	R 103	RGC1/16C101DTP	KMY
IC 405	TC74HC688AFF	TSB	R 29	RGC1/16C101DTP	KMY	R 104	RGC1/16C101DTP	KMY
IC 406	SN74LV74APWR	TEX	R 30	RGC1/16C101DTP	KMY	R 105	RMC1/16104FTP	KMY
IC 407	SN74LV00APWR	TEX	R 31	RGC1/16C101DTP	KMY	R 106	RGC1/16C101DTP	KMY
IC 408	SN74LV574APWR	TEX	R 32	RGC1/16C101DTP	KMY	R 107	RMC1/16104FTP	KMY
IC 409	90ST903195	SST	R 33	RGC1/16C101DTP	KMY	R 108	RGC1/16C102DTP	KMY
IC 409	544LF03231SMO	TOKW	R 34	RGC1/16C101DTP	KMY	R 109	RMC1/16104FTP	KMY
IC 410	90ST903196	SST	R 35	RGC1/16C101DTP	KMY	R 110	RGC1/16C102DTP	KMY
IC 410	544LF03231SMO	TOKW	R 36	RGC1/16C101DTP	KMY	R 111	RGC1/16C103DTP	KMY
IC 411	SN74HC166NSETAPL	TEX	R 37	RGC1/16C101DTP	KMY	R 112	RGC1/16C102DTP	KMY
IC 412	SN74LV00APWR	TEX	R 38	RGC1/16C101DTP	KMY	R 113	RGC1/16C103DTP	KMY
IC 413	90ST903277	ALT	R 39	RGC1/16C101DTP	KMY	R 114	※	
IC 414	TC4053BFTELN	TSB	R 40	RGC1/16C101DTP	KMY	R 115	RGC1/16C103DTP	KMY
IC 415	CXD1171M	SON	R 41	RGC1/16C101DTP	KMY	R 116	RGC1/16C103DTP	KMY
IC 416	LM4040CIM3X2R5NOP	NSC	R 42	RGC1/16C101DTP	KMY	R 117	RMC1/16JPTP	KMY
< COILS >								
L 101	BLM21A601SPT	MUR	R 46	RMC1/16104FTP	KMY	R 201	RMC1/16JPTP	KMY
L 102	BLM21A601SPT	MUR	R 47	RMC1/16104FTP	KMY	R 202	RGC1/16C152DTP	KMY
L 103	BLM21A601SPT	MUR	R 48	RMC1/16104FTP	KMY	R 203	RGC1/16C103DTP	KMY
L 104	BLM21A601SPT	MUR	R 49	RMC1/16104FTP	KMY	R 204	RGC1/16C123DTP	KMY
L 105	BLM21A601SPT	MUR	R 50	RMC1/16104FTP	KMY	R 205	RGC1/16C123DTP	KMY
L 106	BLM21A601SPT	MUR	R 51	RMC1/16104FTP	KMY	R 206	RGC1/16C223DTP	KMY
L 107	BLM21A601SPT	MUR	R 52	RMC1/16104FTP	KMY	R 207	RGC1/16C103DTP	KMY
L 108	BLM21A601SPT	MUR	R 53	RMC1/16104FTP	KMY	R 208	RGC1/16C333DTP	KMY
L 109	BLM21A601SPT	MUR	R 54	RMC1/16104FTP	KMY	R 209	RGC1/16C223DTP	KMY
L 110	BLM21A601SPT	MUR	R 55	RMC1/16104FTP	KMY	R 210	RGC1/16C472DTP	KMY
L 111	BLM21A601SPT	MUR	R 56	RMC1/16104FTP	KMY	R 211	RGC1/16C333DTP	KMY
L 112	BLM21A601SPT	MUR	R 57	RMC1/16104FTP	KMY	R 212	RGC1/16C333DTP	KMY
L 113	BLM21A601SPT	MUR	R 58	RMC1/16104FTP	KMY	R 213	RGC1/16C333DTP	KMY
L 114	BLM21A601SPT	MUR	R 59	RMC1/16104FTP	KMY	R 214	RGC1/16C333DTP	KMY
L 115	BLM21A601SPT	MUR	R 60	RGC1/16C101DTP	KMY	R 215	RGC1/16C333DTP	KMY
L 116	SLF7045T470MR75PF	TDK	R 61	RGC1/16C101DTP	KMY	R 216	RGC1/16C333DTP	KMY
L 117	SLF7045T470MR75PF	TDK	R 62	RGC1/16C101DTP	KMY	R 217	RGC1/16C333DTP	KMY
L 118	SLF7045T470MR75PF	TDK	R 63	RGC1/16C101DTP	KMY	R 218	RGC1/16C333DTP	KMY

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
R 219	RGC1/16C333DTP	KMY	R 295	※		R 404	RMC1/16JPTP	KMY
R 220	RGC1/16C333DTP	KMY	R 296	※		R 405	※	
R 221	RGC1/16C333DTP	KMY	R 301	RMC1/16154FTP	KMY	R 406	RMC1/16JPTP	KMY
R 222	RGC1/16C333DTP	KMY	R 302	RGC1/16C183DTP	KMY	R 407	※	
R 223	RGC1/16C333DTP	KMY	R 303	RGC1/16C101DTP	KMY	R 408	RMC1/16JPTP	KMY
R 224	RGC1/16C222DTP	KMY	R 304	RMC1/16JPTP	KMY	R 409	※	
R 225	RGC1/16C222DTP	KMY	R 305	RGC1/16C272DTP	KMY	R 410	RMC1/16JPTP	KMY
R 226	RGC1/16C101DTP	KMY	R 306	RGC1/16C152DTP	KMY	R 411	※	
R 227	RGC1/16C101DTP	KMY	R 307	※		R 412	RGC1/16C101DTP	KMY
R 228	※		R 308	RGC1/16C152DTP	KMY	R 413	RGC1/16C101DTP	KMY
R 229	RGC1/16C333DTP	KMY	R 309	※		R 414	RGC1/16C101DTP	KMY
R 230	RMC1/16JPTP	KMY	R 310	RMC1/16105FTP	KMY	R 415	※	
R 231	RGC1/16C103DTP	KMY	R 311	※		R 416	RGC1/16C182DTP	KMY
R 232	RGC1/16C103DTP	KMY	R 312	RMC1/16JPTP	KMY	R 417	RGC1/16C182DTP	KMY
R 233	RGC1/16C333DTP	KMY	R 313	RMC1/16104FTP	KMY	R 418	RGC1/16C472DTP	KMY
R 234	RGC1/16C333DTP	KMY	R 314	RGC1/16C101DTP	KMY	R 419	RGC1/16C472DTP	KMY
R 235	RMC1/16JPTP	KMY	R 315	RGC1/16K100DTP	KMY	R 420	RGC1/16C102DTP	KMY
R 236	RMC1/16JPTP	KMY	R 316	RGC1/16C332DTP	KMY	R 421	RGC1/16C102DTP	KMY
R 237	RGC1/16C222DTP	KMY	R 317	RGC1/16C332DTP	KMY	R 422	RGC1/16C101DTP	KMY
R 238	RMC1/16104FTP	KMY	R 318	RGC1/16C333DTP	KMY	R 423	RGC1/16C473DTP	KMY
R 239	RGC1/16C393DTP	KMY	R 319	RGC1/16C333DTP	KMY	R 424	RGC1/16C123DTP	KMY
R 240	RMC1/16JPTP	KMY	R 320	RGC1/16C333DTP	KMY	R 425	RGC1/16C393DTP	KMY
R 241	RMC1/16104FTP	KMY	R 321	RGC1/16C333DTP	KMY	R 426	RGC1/16C472DTP	KMY
R 242	RMC1/16104FTP	KMY	R 322	RGC1/16C333DTP	KMY	R 427	RGC1/16C103DTP	KMY
R 243	RMC1/16104FTP	KMY	R 323	RGC1/16C333DTP	KMY	R 428	RMC1/16JPTP	KMY
R 244	RMC1/16104FTP	KMY	R 324	RGC1/16C103DTP	KMY	R 429	RGC1/16C101DTP	KMY
R 245	RMC1/16104FTP	KMY	R 325	RGC1/16C333DTP	KMY	R 430	RGC1/16C683DTP	KMY
R 246	RMC1/16104FTP	KMY	R 326	RGC1/16C103DTP	KMY	R 431	RGC1/16C103DTP	KMY
R 247	RMC1/16104FTP	KMY	R 327	RGC1/16C122DTP	KMY	R 432	RGC1/16C101DTP	KMY
R 248	RMC1/16104FTP	KMY	R 328	RGC1/16C101DTP	KMY	R 433	RGC1/16C472DTP	KMY
R 249	RMC1/16104FTP	KMY	R 329	RGC1/16C332DTP	KMY	R 434	RMC1/16154FTP	KMY
R 250	RMC1/16104FTP	KMY	R 330	RGC1/16C102DTP	KMY	R 435	RGC1/16C103DTP	KMY
R 251	RGC1/16C101DTP	KMY	R 331	RGC1/16C472DTP	KMY	R 436	RMC1/16104FTP	KMY
R 252	RGC1/16C101DTP	KMY	R 332	RGC1/16C103DTP	KMY	R 437	RGC1/16C101DTP	KMY
R 253	RGC1/16C101DTP	KMY	R 333	RGC1/16C103DTP	KMY	R 438	RGC1/16C101DTP	KMY
R 254	RGC1/16C102DTP	KMY	R 334	RGC1/16C103DTP	KMY	R 439	RGC1/16C101DTP	KMY
R 255	RMC1/16JPTP	KMY	R 335	RGC1/16C103DTP	KMY	R 440	RGC1/16C101DTP	KMY
R 256	RGC1/16C822DTP	KMY	R 336	RGC1/16C103DTP	KMY	R 441	RGC1/16C101DTP	KMY
R 258	RGC1/16C101DTP	KMY	R 342	RGC1/16C101DTP	KMY	R 442	RGC1/16C101DTP	KMY
R 259	RGC1/16C101DTP	KMY	R 343	RGC1/16C101DTP	KMY	R 443	RGC1/16C101DTP	KMY
R 260	RGC1/16C101DTP	KMY	R 344	RGC1/16C101DTP	KMY	R 444	RGC1/16C101DTP	KMY
R 261	RGC1/16C392DTP	KMY	R 345	RGC1/16C101DTP	KMY	R 445	RGC1/16C101DTP	KMY
R 262	RGC1/16C392DTP	KMY	R 346	RGC1/16C101DTP	KMY	R 446	RGC1/16C101DTP	KMY
R 263	RGC1/16C392DTP	KMY	R 347	RGC1/16C101DTP	KMY	R 447	RGC1/16C101DTP	KMY
R 264	RGC1/16C103DTP	KMY	R 348	RGC1/16C101DTP	KMY	R 448	RGC1/16C103DTP	KMY
R 265	RGC1/16C103DTP	KMY	R 349	RGC1/16C101DTP	KMY	R 449	RGC1/16C332DTP	KMY
R 266	RGC1/16C103DTP	KMY	R 350	RGC1/16C101DTP	KMY	R 450	RGC1/16C102DTP	KMY
R 267	RGC1/16C471DTP	KMY	R 351	RGC1/16C101DTP	KMY	R 451	RGC1/16C393DTP	KMY
R 268	RGC1/16C471DTP	KMY	R 352	RGC1/16C101DTP	KMY	R 452	RGC1/16C472DTP	KMY
R 269	RGC1/16C471DTP	KMY	R 353	RGC1/16C101DTP	KMY	R 453	RGC1/16C101DTP	KMY
R 270	RGC1/16C103DTP	KMY	R 354	RGC1/16C101DTP	KMY	R 454	※	
R 271	RGC1/16C101DTP	KMY	R 355	RGC1/16C101DTP	KMY	R 455	RGC1/16C471DTP	KMY
R 272	RGC1/16C101DTP	KMY	R 356	RGC1/16C101DTP	KMY	R 456	RGC1/16C472DTP	KMY
R 273	RGC1/16K220DTP	KMY	R 357	RGC1/16C151DTP	KMY	R 457	RGC1/16C472DTP	KMY
R 274	※		R 358	RGC1/16C102DTP	KMY	R 458	RGC1/16C102DTP	KMY
R 275	RMC1/16JPTP	KMY	R 359	RGC1/16C102DTP	KMY	R 459	RGC1/16C102DTP	KMY
R 276	※		R 360	RGC1/16C103DTP	KMY	R 460	RGC1/16C101DTP	KMY
R 277	RMC1/16JPTP	KMY	R 361	RGC1/16C101DTP	KMY	R 461	RGC1/16C473DTP	KMY
R 278	RMC1/16JPTP	KMY	R 362	RGC1/16C332DTP	KMY	R 462	RGC1/16C563DTP	KMY
R 279	RGC1/16C101DTP	KMY	R 363	RMC1/16JPTP	KMY	R 463	RGC1/16C472DTP	KMY
R 280	RGC1/16C101DTP	KMY	R 364	RGC1/16C222DTP	KMY	R 464	RGC1/16C332DTP	KMY
R 281	RGC1/16C101DTP	KMY	R 365	RMC1/16104FTP	KMY	R 465	RGC1/16C332DTP	KMY
R 282	RGC1/16C101DTP	KMY	R 366	RGC1/16C472DTP	KMY	R 466	RGC1/16C103DTP	KMY
R 283	RGC1/16C101DTP	KMY	R 367	RGC1/16C472DTP	KMY	R 467	RGC1/16C472DTP	KMY
R 284	RGC1/16C101DTP	KMY	R 368	RGC1/16C101DTP	KMY	R 468	RGC1/16C473DTP	KMY
R 285	RGC1/16C101DTP	KMY	R 369	RGC1/16C472DTP	KMY	R 469	RGC1/16C473DTP	KMY
R 286	RGC1/16C101DTP	KMY	R 370	RGC1/16C153DTP	KMY	R 470	RGC1/16C101DTP	KMY
R 287	※		R 371	RGC1/16C153DTP	KMY	R 471	RGC1/16C332DTP	KMY
R 288	※		R 372	RGC1/16C153DTP	KMY	R 472	RGC1/16C472DTP	KMY
R 289	※		R 373	RGC1/16C101DTP	KMY	R 473	RGC1/16C332DTP	KMY
R 290	※		R 374	RGC1/16C103DTP	KMY	R 474	※	
R 291	RGC1/16C101DTP	KMY	R 375	RMC1/16JPTP	KMY	R 475	RGC1/16C471DTP	KMY
R 292	RGC1/16C101DTP	KMY	R 401	RGC1/16C103DTP	KMY	R 476	RGC1/16C472DTP	KMY
R 293	RGC1/16C101DTP	KMY	R 402	RGC1/16C103DTP	KMY	R 477	RGC1/16C101DTP	KMY
R 294	RGC1/16C101DTP	KMY	R 403	RGC1/16C471DTP	KMY	R 478	RMC1/16104FTP	KMY

**VIDEO PROCESS BOARD (1990R)**  
**PP-906455**

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
<hr/>								
R 479	RMC1/16JPTP	KMY	X 201	FCX0210M	RVE	< CAPACITORS >		
< SWITCHES >								
S 201	CHS08TB2	CPL	X 301	FCX0327R000M	RVE	C 1	GRM188F11E104Z01D	MUR
S 202	CS422YTB	CPL	X 302	※		C 2	GRM188F11E104Z01D	MUR
SYMBOL						C 3	EMVY160ADA101MF55	NCH
PARTS CODE		MFD.				C 4	EMVY160ADA101MF55	NCH
< TEST POINTS >								
TP 101	EYF6CU	MAT				C 5	EMVK6R3ADA102MJA0G	NCH
TP 201	EYF6CU	MAT				C 6	EMVK6R3ADA102MJA0G	NCH
TP 202	EYF6CU	MAT				C 7	EMVY160ADA101MF55	NCH
TP 203	EYF6CU	MAT				C 8	EMVY160ADA101MF55	NCH
TP 204	EYF6CU	MAT				C 9	GRM188F11C474ZA01	MUR
TP 205	EYF6CU	MAT				C 101	GRM1882C1H150JA01	MUR
TP 301	EYF6CU	MAT				C 102	BMVK160ADA100ME60G	NCH
TP 302	EYF6CU	MAT				C 103	EMVK160ADA100MD55G	NCH
TP 303	EYF6CU	MAT				C 104	GRM1882C1H7R0DZ01	MUR
TP 304	EYF6CU	MAT				C 105	GRM1882C1H7R0DZ01	MUR
TP 401	EYF6CU	MAT				C 106	GRM188F11E104Z01D	MUR
TP 402	EYF6CU	MAT				C 107	GRM188F11E104Z01D	MUR
TP 403	EYF6CU	MAT				C 108	EMVY160ADA101MF55	NCH
< TRANSISTORS >								
TR 101	2SC3735T1BAB35	NEC				C 109	EMVY160ADA101MF55	NCH
TR 201	2SC3735T1BAB35	NEC				C 110	EMVY160ADA101MF55	NCH
TR 202	2SA1461Y24T1BA	NEC				C 111	GRM1884C1H2R0CZ01	MUR
TR 203	2SA1461Y24T1BA	NEC				C 112	※	
TR 204	2SA1461Y24T1BA	NEC				C 113	※	
TR 301	XN1212TX	MEC				C 114	※	
TR 302	XN1212TX	MEC				C 115	GRM1884C1H2R0CZ01	MUR
TR 303	XN1212TX	MEC				C 116	※	
TR 304	XN1212TX	MEC				C 117	※	
TR 305	XN1212TX	MEC				C 118	GRM188F11E104Z01D	MUR
TR 306	XN1212TX	MEC				C 119	GRM188F11E104Z01D	MUR
TR 307	XN1212TX	MEC				C 120	※	
TR 310	2SA1461Y24T1BA	NEC				C 121	GRM188F11E104Z01D	MUR
TR 311	2SC3735T1BAB35	NEC				C 122	GRM188F11E104Z01D	MUR
TR 401	2SC3735T1BAB35	NEC				C 126	※	
TR 402	XN6501TX	MEC				C 127	※	
TR 403	2SC3734T1BAB24	NEC				C 128	GRM188F11E104Z01D	MUR
TR 404	UNR221100L	MEC				C 129	GRM188F11E104Z01D	MUR
TR 405	2SC3735T1BAB35	NEC				C 130	267M1602105MR	NCC
TR 406	2SA1461Y24T1BA	NEC				C 131	※	
TR 407	2SC3734T1BAB24	NEC				C 132	GRM1884C1H2R0CZ01	MUR
TR 408	UNR211100L	MEC				C 133	EMVK100ADA221MHA0G	NCH
TR 409	2SC3734T1BAB24	NEC				C 134	GRM188F11E104Z01D	MUR
TR 410	UNR221100L	MEC				C 135	EMVK100ADA221MHA0G	NCH
TR 411	XN6501TX	MEC				C 136	GRM188F11E104Z01D	MUR
TR 412	2SC3734T1BAB24	NEC				C 138	GRM1884C1H2R0CZ01	MUR
TR 413	UNR221100L	MEC				C 139	16SVP15M	SYO
TR 414	2SC3734T1BAB24	NEC				C 140	GRM188F11E104Z01D	MUR
TR 415	XN6501TX	MEC				C 141	16SVP15M	SYO
< VARIABLE CAPACITORS >								
VC 301	※					C 142	GRM188F11E104Z01D	MUR
VC 302	※					C 143	※	
< VARIABLE RESISTORS >								
VR 201	ST4ETB202	CPL				C 144	※	
VR 301	ST4ETB102	CPL				C 145	GRM188F11E104Z01D	MUR
VR 302	ST4ETB102	CPL				C 146	GRM188F11E104Z01D	MUR
VR 303	ST4ETB102	CPL				C 147	※	
VR 304	※					C 148	GRM188F11E104Z01D	MUR
VR 401	ST4ETB202	CPL				C 149	GRM188F11E104Z01D	MUR
VR 402	ST4ETB102	CPL				C 150	GRM188B11E104KA01	MUR
VR 403	ST4ETB102	CPL				C 151	GRM1884C1H2R0CZ01	MUR
< CRYSTALS >								
						C 152	GRM188F11E104Z01D	MUR
						C 153	GRM188F11E104Z01D	MUR
						C 155	GRM188F11E104Z01D	MUR
						C 156	GRM188F11E104Z01D	MUR
						C 157	GRM188F11E104Z01D	MUR
						C 158	GRM188F11E104Z01D	MUR
						C 159	GRM1884C1H2R0CZ01	MUR
						C 160	GRM1884C1H2R0CZ01	MUR
						C 163	GRM188F11E104Z01D	MUR
						C 164	※	
						C 165	GRM188F11E104Z01D	MUR
						C 166	GRM188F11E104Z01D	MUR
						C 167	EMVK100ADA221MHA0G	NCH
						C 168	GRM188F11E104Z01D	MUR
						C 169	EMVK100ADA221MHA0G	NCH
						C 170	GRM188F11E104Z01D	MUR
						C 201	※	

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
C 202	※		C 325	GRM188F11E104Z01D	MUR	C 431	※	
C 205	GRM1884C1H2R0CZ01	MUR	C 326	※		C 432	GRM188F11E104Z01D	MUR
C 206	GRM188F11E104Z01D	MUR	C 327	※		C 433	GRM188F11E104Z01D	MUR
C 207	GRM188F11E104Z01D	MUR	C 328	GRM188F11E104Z01D	MUR	C 434	GRM188F11E104Z01D	MUR
C 208	GRM1884C1H2R0CZ01	MUR	C 329	GRM188F11E104Z01D	MUR	C 435	GRM188F11E104Z01D	MUR
C 209	GRM188F11E104Z01D	MUR	C 331	※		C 436	EMVY160ADA101MF55	NCH
C 210	GRM188F11E104Z01D	MUR	C 332	GRM1884C1H2R0CZ01	MUR	C 437	GRM188F11E104Z01D	MUR
C 211	GRM188F11E104Z01D	MUR	C 333	EMVK100ADA221MHA0G	NCH	C 438	GRM188F11E104Z01D	MUR
C 212	※		C 334	GRM188F11E104Z01D	MUR	C 439	GRM188F11E104Z01D	MUR
C 213	16SVP15M	SYO	C 335	EMVK100ADA221MHA0G	NCH	C 440	267M5002104MR	NCC
C 214	GRM188F11E104Z01D	MUR	C 336	GRM188F11E104Z01D	MUR	C 441	GRM188F11E104Z01D	MUR
C 215	16SVP15M	SYO	C 337	EMVY160ADA101MF55	NCH	C 442	GRM188F11E104Z01D	MUR
C 216	GRM188F11E104Z01D	MUR	C 338	GRM1884C1H2R0CZ01	MUR	C 443	GRM188F11E104Z01D	MUR
C 217	※		C 339	16SVP15M	SYO	C 444	GRM188F11E104Z01D	MUR
C 218	GRM188F11E104Z01D	MUR	C 340	GRM188F11E104Z01D	MUR	C 445	GRM188F11E104Z01D	MUR
C 219	GRM188F11E104Z01D	MUR	C 341	16SVP15M	SYO	C 446	GRM188F11E104Z01D	MUR
C 220	※		C 342	GRM188F11E104Z01D	MUR	C 447	GRM188F11E104Z01D	MUR
C 221	GRM1882C1H100JA01	MUR	C 343	-		C 448	EMVY160ADA220ME55G	NCH
C 222	16SVP15M	SYO	C 344	GRM1884C1H2R0CZ01	MUR	C 449	GRM188F11E104Z01D	MUR
C 223	GRM188F11E104Z01D	MUR	C 345	GRM188F11E104Z01D	MUR	C 450	※	
C 224	16SVP15M	SYO	C 346	GRM188F11E104Z01D	MUR	C 451	EMVY160ADA101MF55	NCH
C 225	GRM188F11E104Z01D	MUR	C 347	※		C 452	GRM188F11E104Z01D	MUR
C 226	EMVK100ADA221MHA0G	NCH	C 348	GRM188F11E104Z01D	MUR	C 453	EMVK100ADA221MHA0G	NCH
C 227	GRM188F11E104Z01D	MUR	C 349	GRM188F11E104Z01D	MUR	C 454	GRM188F11E104Z01D	MUR
C 228	GRM188B11E104KA01	MUR	C 350	GRM188B11E104KA01	MUR	C 501	GRM1882C1H150JA01	MUR
C 229	※		C 351	GRM1884C1H2R0CZ01	MUR	C 502	BMVK160ADA100ME60G	NCH
C 230	GRM188B11E104KA01	MUR	C 352	GRM188F11E104Z01D	MUR	C 503	EMVK160ADA100MD55G	NCH
C 231	※		C 353	GRM188F11E104Z01D	MUR	C 504	GRM1882C1H7R0DZ01	MUR
C 232	GRM188F11E104Z01D	MUR	C 355	GRM188F11E104Z01D	MUR	C 505	GRM1882C1H7R0DZ01	MUR
C 233	GRM188F11E104Z01D	MUR	C 356	GRM188F11E104Z01D	MUR	C 506	GRM188F11E104Z01D	MUR
C 234	GRM188F11E104Z01D	MUR	C 357	GRM188F11E104Z01D	MUR	C 507	GRM188F11E104Z01D	MUR
C 235	GRM188F11E104Z01D	MUR	C 358	GRM188F11E104Z01D	MUR	C 508	EMVY160ADA101MF55	NCH
C 236	EMVY160ADA101MF55	NCH	C 359	※		C 509	EMVY160ADA101MF55	NCH
C 237	GRM188F11E104Z01D	MUR	C 360	GRM188F11E104Z01D	MUR	C 510	※	
C 238	GRM188F11E104Z01D	MUR	C 361	GRM188F11E104Z01D	MUR	C 511	※	
C 239	GRM188F11E104Z01D	MUR	C 362	GRM188F11E104Z01D	MUR	C 512	※	
C 240	267M5002104MR	NCC	C 364	※		C 513	※	
C 241	GRM188F11E104Z01D	MUR	C 365	GRM188F11E104Z01D	MUR	C 514	※	
C 242	GRM188F11E104Z01D	MUR	C 366	GRM188F11E104Z01D	MUR	C 515	※	
C 243	GRM188F11E104Z01D	MUR	C 367	EMVK100ADA221MHA0G	NCH	C 516	※	
C 244	GRM188F11E104Z01D	MUR	C 368	GRM188F11E104Z01D	MUR	C 517	RMC1/16JPTP	KMY
C 245	GRM188F11E104Z01D	MUR	C 369	EMVK100ADA221MHA0G	NCH	C 518	GRM188F11E104Z01D	MUR
C 246	GRM188F11E104Z01D	MUR	C 370	GRM188F11E104Z01D	MUR	C 519	GRM188F11E104Z01D	MUR
C 247	GRM188F11E104Z01D	MUR	C 371	※		C 520	RMC1/16JPTP	KMY
C 248	EMVY160ADA220ME55G	NCH	C 372	GRM188F11E104Z01D	MUR	C 521	GRM188F11E104Z01D	MUR
C 249	GRM188F11E104Z01D	MUR	C 373	GRM188F11E104Z01D	MUR	C 522	GRM188F11E104Z01D	MUR
C 250	※		C 401	※		C 523	※	
C 251	EMVY160ADA101MF55	NCH	C 402	※		C 524	GRM188F11E104Z01D	MUR
C 252	GRM188F11E104Z01D	MUR	C 403	※		C 525	GRM188F11E104Z01D	MUR
C 253	EMVK100ADA221MHA0G	NCH	C 405	※		C 526	※	
C 254	GRM188F11E104Z01D	MUR	C 406	※		C 527	※	
C 301	GRM1882C1H150JA01	MUR	C 407	※		C 528	GRM188F11E104Z01D	MUR
C 302	BMVK160ADA100ME60G	NCH	C 408	GRM1884C1H2R0CZ01	MUR	C 529	GRM188F11E104Z01D	MUR
C 303	EMVK160ADA100MD55G	NCH	C 409	GRM188F11E104Z01D	MUR	C 531	※	
C 304	GRM1882C1H7R0DZ01	MUR	C 410	GRM188F11E104Z01D	MUR	C 532	GRM1884C1H2R0CZ01	MUR
C 305	GRM1882C1H7R0DZ01	MUR	C 411	GRM188F11E104Z01D	MUR	C 533	EMVK100ADA221MHA0G	NCH
C 306	GRM188F11E104Z01D	MUR	C 412	※		C 534	GRM188F11E104Z01D	MUR
C 307	GRM188F11E104Z01D	MUR	C 413	16SVP15M	SYO	C 535	EMVK100ADA221MHA0G	NCH
C 308	EMVY160ADA101MF55	NCH	C 414	GRM188F11E104Z01D	MUR	C 536	GRM188F11E104Z01D	MUR
C 309	※		C 415	16SVP15M	SYO	C 537	EMVY160ADA101MF55	NCH
C 310	EMVY160ADA101MF55	NCH	C 416	GRM188F11E104Z01D	MUR	C 538	GRM1884C1H2R0CZ01	MUR
C 311	GRM1884C1H2R0CZ01	MUR	C 417	※		C 539	16SVP15M	SYO
C 312	※		C 418	GRM188F11E104Z01D	MUR	C 540	GRM188F11E104Z01D	MUR
C 313	※		C 419	GRM188F11E104Z01D	MUR	C 541	16SVP15M	SYO
C 314	※		C 420	※		C 542	GRM188F11E104Z01D	MUR
C 315	GRM1884C1H2R0CZ01	MUR	C 421	GRM1882C1H100JA01	MUR	C 543	※	
C 316	※		C 422	16SVP15M	SYO	C 544	GRM1884C1H2R0CZ01	MUR
C 317	RMC1/16JPTP	KMY	C 423	GRM188F11E104Z01D	MUR	C 545	GRM188F11E104Z01D	MUR
C 318	GRM188F11E104Z01D	MUR	C 424	16SVP15M	SYO	C 546	GRM188F11E104Z01D	MUR
C 319	GRM188F11E104Z01D	MUR	C 425	GRM188F11E104Z01D	MUR	C 547	※	
C 320	RMC1/16JPTP	KMY	C 426	EMVK100ADA221MHA0G	NCH	C 548	GRM188F11E104Z01D	MUR
C 321	GRM188F11E104Z01D	MUR	C 427	GRM188F11E104Z01D	MUR	C 549	GRM188F11E104Z01D	MUR
C 322	GRM188F11E104Z01D	MUR	C 428	GRM188B11E104KA01	MUR	C 550	GRM188B11E104KA01	MUR
C 323	※		C 429	※		C 551	GRM1884C1H2R0CZ01	MUR
C 324	GRM188F11E104Z01D	MUR	C 430	GRM188B11E104KA01	MUR	C 552	GRM188F11E104Z01D	MUR

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
C 553	GRM188F11E104Z01D	MUR	C 703	GRM188F11E104Z01D	MUR	C 918	GRM188F11E104Z01D	MUR
C 555	GRM188F11E104Z01D	MUR	C 704	※		C 919	EMVY160ADA101MF55	NCH
C 556	GRM188F11E104Z01D	MUR	C 705	GRM188F11E104Z01D	MUR	C 920	GRM188F11E104Z01D	MUR
C 557	GRM188F11E104Z01D	MUR	C 706	GRM188F11E104Z01D	MUR	C 921	※	
C 558	GRM188F11E104Z01D	MUR	C 707	GRM188B11H103KA01	MUR	C 922	GRM188F11E104Z01D	MUR
C 559	※		C 708	GRM188F11E104Z01D	MUR	C 923	GRM188F11E104Z01D	MUR
C 560	GRM188F11E104Z01D	MUR	C 709	GRM188B11H103KA01	MUR	C 924	GRM188F11E104Z01D	MUR
C 561	GRM188F11E104Z01D	MUR	C 710	GRM188F11E104Z01D	MUR	C 925	GRM188F11E104Z01D	MUR
C 562	GRM188F11E104Z01D	MUR	C 711	※		C 926	EMVK160ADA100MD55G	NCH
C 563	GRM188F11E104Z01D	MUR	C 712	GRM188F11E104Z01D	MUR	C 927	GRM188C1H101JA01	MUR
C 564	※		C 713	GRM188F11E104Z01D	MUR	C 928	GRM188F11E104Z01D	MUR
C 565	GRM188F11E104Z01D	MUR	C 714	EMVK100ADA221MHA0G	NCH	C 929	GRM188F11E104Z01D	MUR
C 566	GRM188F11E104Z01D	MUR	C 715	GRM188F11E104Z01D	MUR	C 930	GRM188F11E104Z01D	MUR
C 567	EMVK100ADA221MHA0G	NCH	C 716	EMVK100ADA221MHA0G	NCH	C 931	GRM188F11E104Z01D	MUR
C 568	GRM188F11E104Z01D	MUR	C 717	GRM188F11E104Z01D	MUR	C 932	※	
C 569	EMVK100ADA221MHA0G	NCH	C 718	GRM188F11E104Z01D	MUR	C 933	GRM188F11E104Z01D	MUR
C 570	GRM188F11E104Z01D	MUR	C 719	GRM188F11E104Z01D	MUR	C 934	GRM188F11E104Z01D	MUR
C 571	※		C 751	GRM188F11E104Z01D	MUR	C 935	GRM188F11E104Z01D	MUR
C 572	GRM188F11E104Z01D	MUR	C 752	GRM188F11E104Z01D	MUR	C 936	GRM188F11E104Z01D	MUR
C 573	GRM188F11E104Z01D	MUR	C 753	GRM188F11E104Z01D	MUR	C 937	GRM188F11E104Z01D	MUR
C 601	※		C 754	GRM188F11E104Z01D	MUR	C 938	GRM188F11E104Z01D	MUR
C 602	※		C 755	GRM188F11E104Z01D	MUR	C 939	GRM188F11E104Z01D	MUR
C 604	※		C 756	※		C 940	GRM188F11E104Z01D	MUR
C 605	※		C 759	GRM1882C1H100JA01	MUR	C 941	GRM188F11E104Z01D	MUR
C 606	※		C 760	GRM188F11E104Z01D	MUR	C 942	GRM188F11E104Z01D	MUR
C 607	※		C 762	GRM188F11E104Z01D	MUR	C 943	EMVY160ADA471MHA0G	NCH
C 608	GRM1884C1H2R0CZ01	MUR	C 763	EMVY160ADA101MF55	NCH	C 944	GRM188F11E104Z01D	MUR
C 609	GRM188F11E104Z01D	MUR	C 764	GRM188F11E104Z01D	MUR	C 945	GRM188F11E104Z01D	MUR
C 610	GRM188F11E104Z01D	MUR	C 765	EMVY160ADA101MF55	NCH	C 946	GRM188F11E104Z01D	MUR
C 611	GRM188F11E104Z01D	MUR	C 766	GRM188F11E104Z01D	MUR	C 947	GRM188F11E104Z01D	MUR
C 612	※		C 767	267M3502224MR	NCC	C 948	GRM188F11E104Z01D	MUR
C 613	16SVP15M	SYO	C 768	267M3502224MR	NCC	C 949	GRM188F11E104Z01D	MUR
C 614	GRM188F11E104Z01D	MUR	C 769	267E6301476MR533	NCC	C 950	GRM188F11E104Z01D	MUR
C 615	16SVP15M	SYO	C 770	267E6301476MR533	NCC	C 951	GRM188F11E104Z01D	MUR
C 616	GRM188F11E104Z01D	MUR	C 811	GRM188F11E104Z01D	MUR	C 952	GRM188F11E104Z01D	MUR
C 617	※		C 812	GRM188F11E104Z01D	MUR	C 953	EMVY160ADA471MHA0G	NCH
C 618	GRM188F11E104Z01D	MUR	C 813	※		C 954	GRM188F11E104Z01D	MUR
C 619	GRM188F11E104Z01D	MUR	C 814	GRM188F11E104Z01D	MUR	C 955	GRM188F11E104Z01D	MUR
C 620	※		C 815	GRM188F11E104Z01D	MUR	C 956	267M3502224MR	NCC
C 621	GRM1882C1H100JA01	MUR	C 816	※		C 959	EMVK160ADA100MD55G	NCH
C 622	16SVP15M	SYO	C 831	GRM188F11E104Z01D	MUR	C 960	GRM1882C1H471JA01	MUR
C 623	GRM188F11E104Z01D	MUR	C 832	GRM188F11E104Z01D	MUR	C 961	GRM188F11C105ZA01	MUR
C 624	16SVP15M	SYO	C 833	※		C 962	EMVK160ADA100MD55G	NCH
C 625	GRM188F11E104Z01D	MUR	C 834	GRM188F11E104Z01D	MUR	C 963	GRM188F11E104Z01D	MUR
C 626	EMVK100ADA221MHA0G	NCH	C 835	GRM188F11E104Z01D	MUR	C 964	GRM188F11E104Z01D	MUR
C 627	GRM188F11E104Z01D	MUR	C 836	※		C 965	267M3502224MR	NCC
C 628	GRM188B11E104KA01	MUR	C 851	GRM188F11E104Z01D	MUR	C 968	EMVK160ADA100MD55G	NCH
C 629	※		C 852	GRM188F11E104Z01D	MUR	C 969	GRM1882C1H471JA01	MUR
C 630	GRM188B11E104KA01	MUR	C 853	※		C 970	GRM188F11C105ZA01	MUR
C 631	※		C 854	GRM188F11E104Z01D	MUR	C 971	EMVK160ADA100MD55G	NCH
C 632	GRM188F11E104Z01D	MUR	C 855	GRM188F11E104Z01D	MUR	C 972	GRM188F11E104Z01D	MUR
C 633	GRM188F11E104Z01D	MUR	C 856	※		C 973	GRM188B11H103KA01	MUR
C 634	GRM188F11E104Z01D	MUR	C 871	GRM1882C1H101JA01	MUR	C 980	GRM188F11E104Z01D	MUR
C 635	GRM188F11E104Z01D	MUR	C 872	267M1602105MR	NCC	C 981	GRM188F11E104Z01D	MUR
C 636	EMVY160ADA101MF55	NCH	C 873	267M1602105MR	NCC	C 982	GRM188F11E104Z01D	MUR
C 637	GRM188F11E104Z01D	MUR	C 874	EMVY160ADA470MF55	NCH	C 983	GRM188F11E104Z01D	MUR
C 638	GRM188F11E104Z01D	MUR	C 875	GRM188F11E104Z01D	MUR	C 984	GRM188F11E104Z01D	MUR
C 639	GRM188F11E104Z01D	MUR	C 876	EMVY160ADA470MF55	NCH	C 985	GRM188F11E104Z01D	MUR
C 640	267M5002104MR	NCC	C 877	GRM188F11E104Z01D	MUR	C 986	GRM188F11E104Z01D	MUR
C 641	GRM188F11E104Z01D	MUR	C 902	BMVK160ADA100ME60G	NCH	C 987	GRM188F11E104Z01D	MUR
C 642	GRM188F11E104Z01D	MUR	C 903	EMVK160ADA100MD55G	NCH	C 988	GRM188F11E104Z01D	MUR
C 643	GRM188F11E104Z01D	MUR	C 904	GRM1882C1H7R0DZ01	MUR	C 989	EMVK6R3ADA102MJA0G	NCH
C 644	GRM188F11E104Z01D	MUR	C 905	GRM1882C1H7R0DZ01	MUR	C 990	GRM188F11E104Z01D	MUR
C 645	GRM188F11E104Z01D	MUR	C 906	GRM188F11E104Z01D	MUR	C 991	EMVK160ADA100MD55G	NCH
C 646	GRM188F11E104Z01D	MUR	C 907	GRM188F11E104Z01D	MUR	C 992	GRM188F11E104Z01D	MUR
C 647	GRM188F11E104Z01D	MUR	C 908	GRM188F11E104Z01D	MUR			
C 648	EMVY160ADA220ME55G	NCH	C 909	EMVK160ADA100MD55G	NCH			
C 649	GRM188F11E104Z01D	MUR	C 910	EMVK160ADA100MD55G	NCH			
C 650	※		C 911	※				
C 651	EMVY160ADA101MF55	NCH	C 912	※				
C 652	GRM188F11E104Z01D	MUR	C 913	GRM188B11H103KA01	MUR			
C 653	EMVK100ADA221MHA0G	NCH	C 914	GRM188B11H103KA01	MUR			
C 654	GRM188F11E104Z01D	MUR	C 915	GRM1882C1H102JA01	MUR	CM901	BCJFPLV01	KND
C 701	※		C 916	267M3502224MR	NCC	CM902	BCJFPLV01	KND
C 702	GRM188F11E104Z01D	MUR	C 917	EMVY160ADA101MF55	NCH	CM903	BCJFPLV01	KND

&lt; CABLE ASSEMBLIES &gt;

CA 801 90ST903302

&lt; CONNECTORS &gt;

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
CM904	BCJFPLV01	KND	DL 502	FDG1E205	EMK	IC 507	TC4W53FUTE12LF	TSB
CM905	BCJFPLV01	KND	DL 701	FDG30010	EMK	IC 508	OPA684IDRG4	TEX
CM906	BCJFPLV01	KND	DL 702	FDG1E205	EMK	IC 509	OPA684IDRG4	TEX
CM907	BCJFPLV01	KND	< INTEGRATED CIRCUITS >			IC 510	TC4W53FUTE12LF	TSB
CM908	BCJFPLV01	KND	< INTEGRATED CIRCUITS >			IC 511	OPA684IDRG4	TEX
CN 9	PCN12A64P2R54DS71	HRS	< INTEGRATED CIRCUITS >			IC 512	OPA684IDRG4	TEX
CN 101	90ST903246	UTK	IC 1	LM2596S5R0N0PB	NSC	IC 513	TL062CPWETAPL	TEX
CN 102	(90ST903246)	UTK	IC 2	LM2585SADJN0PB	NSC	IC 515	TC4W53FUTE12LF	TSB
CN 210	HIF3FC20PA2R54DSA-A	HRS	IC 3	M51957BFPCF1J	MIT	IC 516	AD835ARZ	AND
CN 301	90ST903246	UTK	IC 101	LT1227CS8TRPBF	LTN	IC 517	TC4W53FUTE12LF	TSB
CN 302	(90ST903246)	UTK	IC 102	LT1227CS8TRPBF	LTN	IC 518	TC4W53FUTE12LF	TSB
CN 310	LY206PDT1P1E	JAE	IC 103	TC4W53FUTE12LF	TSB	IC 519	OPA684IDRG4	TEX
CN 501	90ST903246	UTK	IC 106	OPA684IDRG4	TEX	IC 520	LM6171AIMN0PB	NSC
CN 502	(90ST903246)	UTK	IC 107	TC4W53FUTE12LF	TSB	IC 521	TC4W53FUTE12LF	TSB
			IC 108	LT1227CS8TRPBF	LTN	IC 602	TC4W53FUTE12LF	TSB
			IC 109	OPA684IDRG4	TEX	IC 603	※	
< DIODES >								
D 1	D1FM35063	SND	IC 111	OPA684IDRG4	TEX	IC 604	LT1227CS8TRPBF	LTN
D 2	D1FM35063	SND	IC 112	OPA684IDRG4	TEX	IC 605	OPA684IDRG4	TEX
D 101	ISS302TE85RF	TSB	IC 113	TL062CPWETAPL	TEX	IC 606	OPA684IDRG4	TEX
D 102	ISS300TE85RF	TSB	IC 115	TC4W53FUTE12LF	TSB	IC 607	GT4123BCKAE3	GNM
D 103	ISS300TE85RF	TSB	IC 118	TC4W53FUTE12LF	TSB	IC 608	TC4W53FUTE12LF	TSB
D 104	ISS302TE85RF	TSB	IC 119	OPA684IDRG4	TEX	IC 609	TC4W53FUTE12LF	TSB
D 106	ISS300TE85RF	TSB	IC 201	TC4W53FUTE12LF	TSB	IC 610	LM6172IMN0PB	NSC
D 201	ISS300TE85RF	TSB	IC 202	TC4W53FUTE12LF	TSB	IC 611	TC74HC4052AFELF	TSB
D 301	ISS302TE85RF	TSB	IC 203	OPA684IDRG4	TEX	IC 612	NJM78L08UATE1SHPZ	SJRC
D 303	ISS300TE85RF	TSB	IC 204	LT1227CS8TRPBF	LTN	IC 613	MM1375XD	MTM
D 304	ISS302TE85RF	TSB	IC 205	OPA684IDRG4	TEX	IC 615	TL062CPWETAPL	TEX
D 305	ISS302TE85RF	TSB	IC 206	OPA684IDRG4	TEX	IC 701	TC4W53FUTE12LF	TSB
D 401	ISS300TE85RF	TSB	IC 207	GT4123BCKAE3	GNM	IC 702	OPA684IDRG4	TEX
D 501	ISS302TE85RF	TSB	IC 208	TC4W53FUTE12LF	TSB	IC 703	OPA684IDRG4	TEX
D 503	ISS300TE85RF	TSB	IC 209	TC4W53FUTE12LF	TSB	IC 704	CXA1211M	SON
D 504	ISS302TE85RF	TSB	IC 210	LM6172IMN0PB	NSC	IC 705	OPA684IDRG4	TEX
D 505	ISS302TE85RF	TSB	IC 211	TC74HC4052AFELF	TSB	IC 706	NJM431UTE1SHPZZB	SJRC
D 506	ISS300TE85RF	TSB	IC 212	NJM78L08UATE1SHPZ	SJRC	IC 707	NJM431UTE1SHPZZB	SJRC
D 601	ISS300TE85RF	TSB	IC 213	MM1375XD	MTM	IC 741	TC4S01FTE85LF	TSB
D 741	ISS302TE85RF	TSB	IC 215	TL062CPWETAPL	TEX	IC 742	TL062CPWETAPL	TEX
D 742	HZM5R1NBTEL	RNES	IC 301	LT1227CS8TRPBF	LTN	IC 743	LM6171AIMN0PB	NSC
D 743	ISS300TE85RF	TSB	IC 302	LT1227CS8TRPBF	LTN	IC 744	TL062CPWETAPL	TEX
D 744	ISS300TE85RF	TSB	IC 303	TC4W53FUTE12LF	TSB	IC 746	TC4S01FTE85LF	TSB
D 745	ISS302TE85RF	TSB	IC 304	OPA684IDRG4	TEX	IC 811	OPA684IDRG4	TEX
D 746	ISS154TE85LF	TSB	IC 305	TC4W53FUTE12LF	TSB	IC 813	OPA684IDRG4	TEX
D 871	ISS250TE85LF	TSB	IC 306	OPA684IDRG4	TEX	IC 831	OPA684IDRG4	TEX
D 872	ISS250TE85LF	TSB	IC 307	TC4W53FUTE12LF	TSB	IC 833	OPA684IDRG4	TEX
D 873	ISS250TE85LF	TSB	IC 308	OPA684IDRG4	TEX	IC 851	OPA684IDRG4	TEX
D 874	ISS250TE85LF	TSB	IC 309	OPA684IDRG4	TEX	IC 852	TC4W53FUTE12LF	TSB
D 875	ISS250TE85LF	TSB	IC 310	TC4W53FUTE12LF	TSB	IC 853	OPA684IDRG4	TEX
D 901	ISS294TE85RF	TSB	IC 311	OPA684IDRG4	TEX	IC 901	TC74HC4052AFELF	TSB
D 902	ISS294TE85RF	TSB	IC 312	OPA684IDRG4	TEX	IC 902	SN74LV02APWR	TEX
D 903	ISS294TE85RF	TSB	IC 313	TL062CPWETAPL	TEX	IC 903	UPC393G2E2A	NEC
D 904	ISS300TE85RF	TSB	IC 315	TC4W53FUTE12LF	TSB	IC 904	GS4981CKAE3	GNM
D 905	ISS300TE85RF	TSB	IC 316	AD835ARZ	AND	IC 905	SN74LV00APWR	TEX
D 906	ISS302TE85RF	TSB	IC 317	TC4W53FUTE12LF	TSB	IC 906	TC74HC4052AFELF	TSB
D 907	ISS302TE85RF	TSB	IC 318	TC4W53FUTE12LF	TSB	IC 907	SN74LV00APWR	TEX
D 908	ISS302TE85RF	TSB	IC 319	OPA684IDRG4	TEX	IC 908	TC74HC4052AFELF	TSB
D 909	ISS302TE85RF	TSB	IC 320	LM6171AIMN0PB	NSC	IC 909	SN74LV00APWR	TEX
D 910	ISS302TE85RF	TSB	IC 401	TC4W53FUTE12LF	TSB	IC 910	SN74LV00APWR	TEX
D 911	ISS302TE85RF	TSB	IC 403	※		IC 911	NJU3718GTE1SHPZZ	SJRC
D 912	ISS302TE85RF	TSB	IC 404	LT1227CS8TRPBF	LTN	IC 912	NJU3718GTE1SHPZZ	SJRC
D 913	ISS302TE85RF	TSB	IC 405	OPA684IDRG4	TEX	IC 913	ST9032442	ALT
D 914	ISS302TE85RF	TSB	IC 406	OPA684IDRG4	TEX	IC 914	ST9032451	ALT
D 915	ISS302TE85RF	TSB	IC 407	GT4123BCKAE3	GNM	IC 915	SN74LV541APWR	TEX
D 916	ISS300TE85RF	TSB	IC 408	TC4W53FUTE12LF	TSB	IC 916	SN74LV541APWR	TEX
D 917	ISS300TE85RF	TSB	IC 409	TC4W53FUTE12LF	TSB	IC 917	TLC2932IPWRG4	TEX
D 918	ISS300TE85RF	TSB	IC 410	LM6172IMN0PB	NSC	IC 918	TLC2932IPWRG4	TEX
D 919	ISS300TE85RF	TSB	IC 411	TC74HC4052AFELF	TSB	IC 919	TLC2272CPS	TEX
D 920	※		IC 412	NJM78L08UATE1SHPZ	SJRC	IC 920	TLC2272CPS	TEX
< DELAY LINES >								
DL 101	FDG30010	EMK	IC 501	LT1227CS8TRPBF	LTN	L 1	SLF7045T101MR50PF	TDK
DL 102	FDG1E205	EMK	IC 502	LT1227CS8TRPBF	LTN	L 2	SLF7045T101MR50PF	TDK
DL 301	※		IC 503	TC4W53FUTE12LF	TSB	L 3	SLF12555T101M1R1P	TDK
DL 302	FDG1E205	EMK	IC 504	OPA684IDRG4	TEX	L 4	SLF12555T101M1R1P	TDK
DL 501	※		IC 505	TC4W53FUTE12LF	TSB	L 5	SLF7045T101MR50PF	TDK
			IC 506	OPA684IDRG4	TEX	L 6	SLF7045T101MR50PF	TDK
< COILS >								

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
L 102	LQH32MN101K23L	MUR	R 133	RGC1/16C332DTP	KMY	R 225	RMC1/16JPTP	KMY
L 103	LQH32MN101K23L	MUR	R 134	RGC1/16K220DTP	KMY	R 226	RMC1/16JPTP	KMY
L 104	LQH32MN101K23L	MUR	R 135	RGC1/16K220DTP	KMY	R 227	RGC1/16C101DTP	KMY
L 105	LQH32MN101K23L	MUR	R 136	RGC1/16C102DTP	KMY	R 228	RGC1/16C101DTP	KMY
L 201	LQH32MN101K23L	MUR	R 137	※		R 229	RGC1/16C222DTP	KMY
L 202	LQH32MN101K23L	MUR	R 138	RGC1/16C102DTP	KMY	R 230	※	
L 203	LQH32MN101K23L	MUR	R 139	※		R 231	RGC1/16C182DTP	KMY
L 302	LQH32MN101K23L	MUR	R 140	RGC1/16C823DTP	KMY	R 232	RGC1/16C562DTP	KMY
L 303	LQH32MN101K23L	MUR	R 141	RGC1/16C823DTP	KMY	R 233	RGC1/16C222DTP	KMY
L 304	LQH32MN101K23L	MUR	R 142	RGC1/16C471DTP	KMY	R 234	RGC1/16C101DTP	KMY
L 305	LQH32MN101K23L	MUR	R 143	RMC1/16JPTP	KMY	R 235	RGC1/16C182DTP	KMY
L 401	LQH32MN101K23L	MUR	R 144	RGC1/16C471DTP	KMY	R 236	RGC1/16C222DTP	KMY
L 402	LQH32MN101K23L	MUR	R 145	RGC1/16C102DTP	KMY	R 237	RGC1/16C101DTP	KMY
L 403	LQH32MN101K23L	MUR	R 147	RMC1/16104FTP	KMY	R 238	RMC1/16104FTP	KMY
L 502	LQH32MN101K23L	MUR	R 148	RGC1/16C103DTP	KMY	R 239	RGC1/16C472DTP	KMY
L 503	LQH32MN101K23L	MUR	R 149	RGC1/16C101DTP	KMY	R 240	RGC1/16C472DTP	KMY
L 504	LQH32MN101K23L	MUR	R 150	RGC1/16C182DTP	KMY	R 241	RGC1/16C682DTP	KMY
L 505	LQH32MN101K23L	MUR	R 151	RGC1/16C182DTP	KMY	R 242	RGC1/16C153DTP	KMY
L 601	LQH32MN101K23L	MUR	R 152	※		R 243	RGC1/16C152DTP	KMY
L 602	LQH32MN101K23L	MUR	R 153	RGC1/16C472DTP	KMY	R 244	RGC1/16C472DTP	KMY
L 603	LQH32MN101K23L	MUR	R 154	RMC1/16104FTP	KMY	R 245	RGC1/16C472DTP	KMY
L 701	LQH32MN101K23L	MUR	R 155	RGC1/16C182DTP	KMY	R 246	RGC1/16K100DTP	KMY
L 702	LQH32MN101K23L	MUR	R 156	RGC1/16C182DTP	KMY	R 247	RGC1/16K100DTP	KMY
L 901	LQH32MN101K23L	MUR	R 157	RGC1/16C102DTP	KMY	R 248	RGC1/16K470DTP	KMY
L 902	LQH32MN101K23L	MUR	R 158	RMC1/16JPTP	KMY	R 249	RGC1/16C103DTP	KMY
L 903	BLM21A601SPT	MUR	R 159	RMC1/16JPTP	KMY	R 250	RMC1/16JPTP	KMY
L 904	BLM41A800SPT	MUR	R 160	RGC1/16C103DTP	KMY	R 251	RGC1/16C472DTP	KMY
L 905	BLM41A800SPT	MUR	R 161	RGC1/16C102DTP	KMY	R 252	RGC1/16C472DTP	KMY
L 906	BLM21A601SPT	MUR	R 162	RMC1/16JPTP	KMY	R 301	RMC1/16104FTP	KMY
L 907	BLM21A601SPT	MUR	R 163	RGC1/16C102DTP	KMY	R 302	RGC1/16C473DTP	KMY
L 908	SLF7045T101MR50PF	TDK	R 164	※		R 303	RGC1/16C102DTP	KMY
< RESISTORS >			R 165	RGC1/16C102DTP	KMY	R 304	RMC1/16JPTP	KMY
R 1	RMC1/16JPTP	KMY	R 166	RGC1/16C101DTP	KMY	R 305	RGC1/16C102DTP	KMY
R 2	RMC1/16JPTP	KMY	R 168	RGC1/16C101DTP	KMY	R 306	RMC1/16JPTP	KMY
R 3	※		R 169	RGC1/16K470DTP	KMY	R 307	RGC1/16C222DTP	KMY
R 4	RGC1/16C102DTP	KMY	R 171	RGC1/16K470DTP	KMY	R 308	RGC1/16C221DTP	KMY
R 5	RGC1/16C122DTP	KMY	R 172	RGC1/16C102DTP	KMY	R 309	RGC1/16C221DTP	KMY
R 6	RMC1/16JPTP	KMY	R 174	RGC1/16C103DTP	KMY	R 310	RGC1/16C183DTP	KMY
R 7	RGC1/16C472DTP	KMY	R 175	RGC1/16C472DTP	KMY	R 311	RGC1/16C103DTP	KMY
R 8	RMC1/16JPTP	KMY	R 176	RGC1/16C332DTP	KMY	R 312	RGC1/16C151DTP	KMY
R 9	RGC1/16C222DTP	KMY	R 177	RGC1/16C102DTP	KMY	R 313	RGC1/16C101DTP	KMY
R 101	RMC1/16104FTP	KMY	R 178	RMC1/16104FTP	KMY	R 314	RGC1/16K470DTP	KMY
R 102	RGC1/16C473DTP	KMY	R 179	RGC1/16C102DTP	KMY	R 315	RGC1/16C122DTP	KMY
R 103	RGC1/16C102DTP	KMY	R 180	RGC1/16C102DTP	KMY	R 316	RGC1/16K100DTP	KMY
R 104	RMC1/16JPTP	KMY	R 181	RMC1/16224FTP	KMY	R 317	RGC1/16K100DTP	KMY
R 105	RGC1/16C102DTP	KMY	R 182	RGC1/16C102DTP	KMY	R 318	RGC1/16C122DTP	KMY
R 106	RMC1/16JPTP	KMY	R 195	RGC1/16C102DTP	KMY	R 319	RGC1/16C151DTP	KMY
R 107	RGC1/16C222DTP	KMY	R 196	RMC1/16474FTP	KMY	R 320	RGC1/16K470DTP	KMY
R 108	RGC1/16C221DTP	KMY	R 197	RGC1/16C102DTP	KMY	R 321	RGC1/16C152DTP	KMY
R 109	RGC1/16C221DTP	KMY	R 198	RGC1/16K470DTP	KMY	R 322	RGC1/16C181DTP	KMY
R 110	RGC1/16C183DTP	KMY	R 199	RMC1/16JPTP	KMY	R 323	RGC1/16K220DTP	KMY
R 111	RGC1/16C103DTP	KMY	R 200	RMC1/16JPTP	KMY	R 324	※	
R 112	RGC1/16C151DTP	KMY	R 201	RGC1/16C152DTP	KMY	R 325	※	
R 113	RGC1/16C101DTP	KMY	R 202	※		R 326	※	
R 114	RGC1/16K470DTP	KMY	R 203	RGC1/16C392DTP	KMY	R 327	※	
R 115	RGC1/16C122DTP	KMY	R 204	RGC1/16C222DTP	KMY	R 328	※	
R 116	RGC1/16K100DTP	KMY	R 205	RGC1/16C152DTP	KMY	R 329	※	
R 117	RGC1/16K100DTP	KMY	R 206	RGC1/16C152DTP	KMY	R 330	RGC1/16C472DTP	KMY
R 118	RGC1/16C122DTP	KMY	R 207	RMC1/16JPTP	KMY	R 331	RMC1/16JPTP	KMY
R 119	RGC1/16C151DTP	KMY	R 208	RGC1/16C102DTP	KMY	R 332	RMC1/16JPTP	KMY
R 120	RGC1/16K470DTP	KMY	R 209	RGC1/16C102DTP	KMY	R 333	RGC1/16C332DTP	KMY
R 121	RGC1/16C152DTP	KMY	R 210	RGC1/16C333DTP	KMY	R 334	RGC1/16K220DTP	KMY
R 122	RGC1/16C181DTP	KMY	R 211	RGC1/16C101DTP	KMY	R 335	RGC1/16K220DTP	KMY
R 123	RGC1/16K220DTP	KMY	R 212	RGC1/16C102DTP	KMY	R 336	RGC1/16C182DTP	KMY
R 124	RGC1/16C123DTP	KMY	R 213	RGC1/16C102DTP	KMY	R 337	RGC1/16C272DTP	KMY
R 125	RGC1/16C182DTP	KMY	R 214	RMC1/16JPTP	KMY	R 338	RGC1/16C122DTP	KMY
R 126	RGC1/16K470DTP	KMY	R 216	RGC1/16C102DTP	KMY	R 339	RGC1/16C183DTP	KMY
R 127	RGC1/16C822DTP	KMY	R 217	RGC1/16C102DTP	KMY	R 340	RGC1/16C102DTP	KMY
R 128	RGC1/16C561DTP	KMY	R 218	RGC1/16C273DTP	KMY	R 341	RGC1/16C471DTP	KMY
R 129	RGC1/16K100DTP	KMY	R 219	RGC1/16C101DTP	KMY	R 342	RGC1/16C102DTP	KMY
R 130	RGC1/16C472DTP	KMY	R 220	RGC1/16C272DTP	KMY	R 343	RMC1/16JPTP	KMY
R 131	RMC1/16JPTP	KMY	R 221	RGC1/16C102DTP	KMY	R 344	RGC1/16C102DTP	KMY
R 132	RMC1/16JPTP	KMY	R 222	RGC1/16C101DTP	KMY	R 345	RGC1/16C102DTP	KMY
			R 223	RGC1/16C331DTP	KMY	R 346	RGC1/16C101DTP	KMY
			R 224	RGC1/16C101DTP	KMY	R 348	RGC1/16C103DTP	KMY

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
R 349	RGC1/16C101DTP	KMY	R 429	RGC1/16C222DTP	KMY	R 553	RGC1/16C472DTP	KMY
R 350	RGC1/16C182DTP	KMY	R 430	※		R 554	RMC1/16104FTP	KMY
R 351	RGC1/16C182DTP	KMY	R 431	RGC1/16C182DTP	KMY	R 555	RGC1/16C182DTP	KMY
R 352	※		R 432	RGC1/16C562DTP	KMY	R 556	RGC1/16C182DTP	KMY
R 353	RGC1/16C472DTP	KMY	R 433	RGC1/16C222DTP	KMY	R 557	RGC1/16C102DTP	KMY
R 354	RMC1/16104FTP	KMY	R 434	RGC1/16C101DTP	KMY	R 558	RMC1/16JPTP	KMY
R 355	RGC1/16C182DTP	KMY	R 435	RGC1/16C182DTP	KMY	R 559	RMC1/16JPTP	KMY
R 356	RGC1/16C182DTP	KMY	R 436	RGC1/16C222DTP	KMY	R 560	RMC1/16JPTP	KMY
R 357	RGC1/16C102DTP	KMY	R 437	RGC1/16C101DTP	KMY	R 561	RGC1/16C102DTP	KMY
R 358	RMC1/16JPTP	KMY	R 438	RMC1/16104FTP	KMY	R 562	RMC1/16JPTP	KMY
R 359	RMC1/16JPTP	KMY	R 439	RGC1/16C472DTP	KMY	R 563	RGC1/16C102DTP	KMY
R 360	RMC1/16JPTP	KMY	R 440	RGC1/16C472DTP	KMY	R 564	※	
R 361	RGC1/16C102DTP	KMY	R 441	RGC1/16C682DTP	KMY	R 565	RGC1/16C102DTP	KMY
R 362	RMC1/16JPTP	KMY	R 442	RGC1/16C153DTP	KMY	R 566	RGC1/16C101DTP	KMY
R 363	RGC1/16C102DTP	KMY	R 443	RGC1/16C152DTP	KMY	R 567	RMC1/16JPTP	KMY
R 364	※		R 444	RGC1/16C472DTP	KMY	R 568	RGC1/16C101DTP	KMY
R 365	RGC1/16C102DTP	KMY	R 445	RGC1/16C472DTP	KMY	R 569	RGC1/16K470DTP	KMY
R 366	RGC1/16C101DTP	KMY	R 446	RGC1/16K100DTP	KMY	R 570	※	
R 367	RMC1/16JPTP	KMY	R 447	RGC1/16K100DTP	KMY	R 571	RGC1/16K470DTP	KMY
R 368	RGC1/16C101DTP	KMY	R 448	RGC1/16K470DTP	KMY	R 572	RGC1/16C102DTP	KMY
R 369	RGC1/16K470DTP	KMY	R 449	RGC1/16C103DTP	KMY	R 573	RMC1/16JPTP	KMY
R 370	※		R 450	RMC1/16JPTP	KMY	R 574	RGC1/16C103DTP	KMY
R 371	RGC1/16K470DTP	KMY	R 451	RGC1/16C472DTP	KMY	R 575	RGC1/16C472DTP	KMY
R 372	RGC1/16C102DTP	KMY	R 452	RGC1/16C472DTP	KMY	R 576	RGC1/16C561DTP	KMY
R 373	RMC1/16JPTP	KMY	R 501	RMC1/16104FTP	KMY	R 577	RGC1/16C102DTP	KMY
R 374	RGC1/16C103DTP	KMY	R 502	RGC1/16C473DTP	KMY	R 578	RMC1/16104FTP	KMY
R 375	RGC1/16C472DTP	KMY	R 503	RGC1/16C102DTP	KMY	R 579	RGC1/16C102DTP	KMY
R 376	RGC1/16C561DTP	KMY	R 504	RMC1/16JPTP	KMY	R 580	RGC1/16C102DTP	KMY
R 377	RGC1/16C102DTP	KMY	R 505	RGC1/16C102DTP	KMY	R 581	RMC1/16224FTP	KMY
R 378	RMC1/16104FTP	KMY	R 506	RMC1/16JPTP	KMY	R 582	RGC1/16C102DTP	KMY
R 379	RGC1/16C102DTP	KMY	R 507	RGC1/16C222DTP	KMY	R 583	RGC1/16C472DTP	KMY
R 380	RGC1/16C102DTP	KMY	R 508	RGC1/16C221DTP	KMY	R 584	RGC1/16C101DTP	KMY
R 381	RMC1/16224FTP	KMY	R 509	RGC1/16C221DTP	KMY	R 585	RGC1/16C103DTP	KMY
R 382	RGC1/16C102DTP	KMY	R 510	RGC1/16C183DTP	KMY	R 586	RGC1/16C103DTP	KMY
R 384	RGC1/16C101DTP	KMY	R 511	RGC1/16C103DTP	KMY	R 587	RGC1/16C101DTP	KMY
R 385	RGC1/16C103DTP	KMY	R 512	RGC1/16C151DTP	KMY	R 588	RGC1/16C101DTP	KMY
R 386	RGC1/16C103DTP	KMY	R 513	RGC1/16C101DTP	KMY	R 589	RGC1/16C103DTP	KMY
R 387	RGC1/16C101DTP	KMY	R 514	RGC1/16K470DTP	KMY	R 590	RGC1/16C103DTP	KMY
R 388	RGC1/16C101DTP	KMY	R 515	RGC1/16C122DTP	KMY	R 591	RGC1/16C101DTP	KMY
R 389	RGC1/16C103DTP	KMY	R 516	RGC1/16K100DTP	KMY	R 592	RGC1/16C221DTP	KMY
R 390	RGC1/16C103DTP	KMY	R 517	RGC1/16K100DTP	KMY	R 593	RGC1/16C221DTP	KMY
R 391	RGC1/16C101DTP	KMY	R 518	RGC1/16C122DTP	KMY	R 594	RMC1/16JPTP	KMY
R 392	RGC1/16C221DTP	KMY	R 519	RGC1/16C151DTP	KMY	R 595	RGC1/16C102DTP	KMY
R 393	RGC1/16C221DTP	KMY	R 520	RGC1/16K470DTP	KMY	R 596	RMC1/16474FTP	KMY
R 394	RMC1/16JPTP	KMY	R 521	RGC1/16C152DTP	KMY	R 597	RGC1/16C102DTP	KMY
R 395	RGC1/16C102DTP	KMY	R 522	RGC1/16C181DTP	KMY	R 598	RGC1/16C101DTP	KMY
R 397	RGC1/16C102DTP	KMY	R 523	RGC1/16K220DTP	KMY	R 599	RMC1/16JPTP	KMY
R 398	RGC1/16C101DTP	KMY	R 524	RGC1/16C123DTP	KMY	R 600	RMC1/16JPTP	KMY
R 399	RMC1/16JPTP	KMY	R 525	RGC1/16C182DTP	KMY	R 601	RGC1/16C152DTP	KMY
R 400	RMC1/16JPTP	KMY	R 526	RGC1/16K470DTP	KMY	R 602	※	
R 401	RGC1/16C152DTP	KMY	R 527	RGC1/16C822DTP	KMY	R 605	RGC1/16C561DTP	KMY
R 402	※		R 528	RGC1/16C561DTP	KMY	R 606	RGC1/16C681DTP	KMY
R 403	RGC1/16C561DTP	KMY	R 529	RGC1/16K100DTP	KMY	R 607	※	
R 404	RGC1/16C681DTP	KMY	R 530	※		R 608	RMC1/16JPTP	KMY
R 407	※		R 531	※		R 609	RMC1/16JPTP	KMY
R 408	RMC1/16JPTP	KMY	R 532	※		R 610	RGC1/16C333DTP	KMY
R 409	RMC1/16JPTP	KMY	R 533	※		R 611	RGC1/16C101DTP	KMY
R 410	RGC1/16C333DTP	KMY	R 534	※		R 612	RGC1/16C102DTP	KMY
R 411	RGC1/16C101DTP	KMY	R 535	※		R 613	RGC1/16C471DTP	KMY
R 412	RGC1/16C102DTP	KMY	R 536	RGC1/16C152DTP	KMY	R 614	RMC1/16JPTP	KMY
R 413	RGC1/16C471DTP	KMY	R 537	RGC1/16C822DTP	KMY	R 616	RGC1/16C102DTP	KMY
R 414	RMC1/16JPTP	KMY	R 538	RGC1/16C182DTP	KMY	R 617	RGC1/16C102DTP	KMY
R 416	RGC1/16C102DTP	KMY	R 539	RGC1/16C682DTP	KMY	R 618	RGC1/16C273DTP	KMY
R 417	RGC1/16C102DTP	KMY	R 540	RGC1/16C102DTP	KMY	R 619	RGC1/16C101DTP	KMY
R 418	RGC1/16C273DTP	KMY	R 541	RGC1/16C471DTP	KMY	R 620	RGC1/16C272DTP	KMY
R 419	RGC1/16C101DTP	KMY	R 542	RGC1/16C102DTP	KMY	R 621	RGC1/16C102DTP	KMY
R 420	RGC1/16C272DTP	KMY	R 543	RMC1/16JPTP	KMY	R 622	RGC1/16C101DTP	KMY
R 421	RGC1/16C102DTP	KMY	R 544	RGC1/16C102DTP	KMY	R 623	RGC1/16C331DTP	KMY
R 422	RGC1/16C101DTP	KMY	R 545	RGC1/16C102DTP	KMY	R 624	RGC1/16C101DTP	KMY
R 423	RGC1/16C331DTP	KMY	R 546	RGC1/16C101DTP	KMY	R 625	RMC1/16JPTP	KMY
R 424	RGC1/16C101DTP	KMY	R 548	RGC1/16C103DTP	KMY	R 626	RMC1/16JPTP	KMY
R 425	RMC1/16JPTP	KMY	R 549	RGC1/16C101DTP	KMY	R 627	RGC1/16C101DTP	KMY
R 426	RMC1/16JPTP	KMY	R 550	RGC1/16C182DTP	KMY	R 628	RGC1/16C101DTP	KMY
R 427	RGC1/16C101DTP	KMY	R 551	RGC1/16C182DTP	KMY	R 629	RGC1/16C222DTP	KMY
R 428	RGC1/16C101DTP	KMY	R 552	※		R 630	※	

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
R 631	RGC1/16C182DTP	KMY	R 785	RGC1/16C563DTP	KMY	R 934	RGC1/16K100DTP	KMY
R 632	RGC1/16C562DTP	KMY	R 786	RGC1/16C103DTP	KMY	R 935	RMC1/16JPTP	KMY
R 633	RGC1/16C222DTP	KMY	R 787	RGC1/16C223DTP	KMY	R 936	RMC1/16474FTP	KMY
R 634	RGC1/16C101DTP	KMY	R 788	RMC1/16104FTP	KMY	R 937	RGC1/16C333DTP	KMY
R 636	RGC1/16C182DTP	KMY	R 789	RGC1/16C102DTP	KMY	R 938	RGC1/16C101DTP	KMY
R 637	RGC1/16C101DTP	KMY	R 790	RGC1/16C103DTP	KMY	R 939	RGC1/16C101DTP	KMY
R 638	RMC1/16104FTP	KMY	R 791	RGC1/16C103DTP	KMY	R 940	RGC1/16C101DTP	KMY
R 639	RGC1/16C472DTP	KMY	R 792	RGC1/16C102DTP	KMY	R 941	RGC1/16C102DTP	KMY
R 640	RGC1/16C472DTP	KMY	R 793	RGC1/16C102DTP	KMY	R 942	RGC1/16C102DTP	KMY
R 641	RGC1/16C682DTP	KMY	R 794	RGC1/16C563DTP	KMY	R 943	RGC1/16C103DTP	KMY
R 642	RGC1/16C153DTP	KMY	R 795	RGC1/16C822DTP	KMY	R 944	RGC1/16C103DTP	KMY
R 643	RGC1/16C152DTP	KMY	R 801	RMC1/16104FTP	KMY	R 945	RGC1/16C103DTP	KMY
R 644	RGC1/16C472DTP	KMY	R 802	RMC1/16104FTP	KMY	R 946	RGC1/16C103DTP	KMY
R 645	RGC1/16C472DTP	KMY	R 803	RMC1/16104FTP	KMY	R 947	RGC1/16C103DTP	KMY
R 646	RGC1/16K100DTP	KMY	R 804	RMC1/16104FTP	KMY	R 948	RGC1/16C102DTP	KMY
R 647	RGC1/16K100DTP	KMY	R 811	RGC1/16C102DTP	KMY	R 949	RGC1/16C103DTP	KMY
R 648	RGC1/16K470DTP	KMY	R 812	RGC1/16C681DTP	KMY	R 950	RGC1/16C102DTP	KMY
R 649	RGC1/16C103DTP	KMY	R 816	RGC1/16C102DTP	KMY	R 951	RGC1/16C102DTP	KMY
R 650	RMC1/16JPTP	KMY	R 817	RGC1/16C102DTP	KMY	R 952	RGC1/16C473DTP	KMY
R 651	RGC1/16C472DTP	KMY	R 831	RGC1/16C102DTP	KMY	R 953	RGC1/16C473DTP	KMY
R 652	RGC1/16C472DTP	KMY	R 836	RGC1/16C102DTP	KMY	R 954	※	
R 701	RGC1/16C101DTP	KMY	R 837	RGC1/16C102DTP	KMY	R 955	※	
R 702	RGC1/16C101DTP	KMY	R 851	RGC1/16C102DTP	KMY	R 956	※	
R 703	RGC1/16K470DTP	KMY	R 853	RGC1/16C682DTP	KMY	R 957	※	
R 704	RGC1/16K470DTP	KMY	R 854	RGC1/16C681DTP	KMY	R 958	※	
R 705	RGC1/16C333DTP	KMY	R 855	RGC1/16C102DTP	KMY	R 959	RGC1/16C101DTP	KMY
R 706	RGC1/16C332DTP	KMY	R 856	※		R 960	RGC1/16C103DTP	KMY
R 707	RGC1/16C102DTP	KMY	R 857	RGC1/16C102DTP	KMY	R 961	※	
R 708	RGC1/16C821DTP	KMY	R 871	RGC1/16C472DTP	KMY	R 962	RGC1/16C332DTP	KMY
R 709	RGC1/16C821DTP	KMY	R 872	RGC1/16C102DTP	KMY	R 963	RGC1/16C153DTP	KMY
R 710	RGC1/16C102DTP	KMY	R 873	RGC1/16C102DTP	KMY	R 964	RGC1/16C472DTP	KMY
R 711	RMC1/16JPTP	KMY	R 874	RMC1/16104FTP	KMY	R 965	RGC1/16C472DTP	KMY
R 712	RMC1/16JPTP	KMY	R 875	RGC1/16C103DTP	KMY	R 966	RGC1/16C222DTP	KMY
R 713	RGC1/16C471DTP	KMY	R 876	RGC1/16C103DTP	KMY	R 967	RGC1/16C221DTP	KMY
R 714	RGC1/16C102DTP	KMY	R 877	RGC1/16C471DTP	KMY	R 968	RMC1/16JPTP	KMY
R 715	RGC1/16C331DTP	KMY	R 878	RGC1/16C682DTP	KMY	R 969	RGC1/16C101DTP	KMY
R 716	RGC1/16C331DTP	KMY	R 879	RGC1/16C682DTP	KMY	R 970	RGC1/16C103DTP	KMY
R 741	RMC1/16104FTP	KMY	R 880	RGC1/16C101DTP	KMY	R 971	RMC1/16JPTP	KMY
R 742	RGC1/16C102DTP	KMY	R 881	RGC1/16K220DTP	KMY	R 972	RGC1/16C332DTP	KMY
R 743	RMC1/16104FTP	KMY	R 882	RGC1/16K220DTP	KMY	R 973	RGC1/16C153DTP	KMY
R 744	RGC1/16C102DTP	KMY	R 883	RGC1/16K220DTP	KMY	R 974	RGC1/16C472DTP	KMY
R 745	RMC1/16104FTP	KMY	R 884	RGC1/16K220DTP	KMY	R 975	RGC1/16C472DTP	KMY
R 746	RGC1/16C102DTP	KMY	R 901	RGC1/16C473DTP	KMY	R 976	RGC1/16C222DTP	KMY
R 747	※		R 902	RGC1/16C473DTP	KMY	R 977	RGC1/16C221DTP	KMY
R 748	RGC1/16C102DTP	KMY	R 903	RGC1/16C561DTP	KMY	R 978	※	
R 749	RMC1/16104FTP	KMY	R 904	RGC1/16C331DTP	KMY	R 979	RGC1/16C101DTP	KMY
R 750	RGC1/16C102DTP	KMY	R 905	RGC1/16C561DTP	KMY	R 980	RGC1/16C101DTP	KMY
R 751	RGC1/16C332DTP	KMY	R 906	RGC1/16C331DTP	KMY	R 981	RGC1/16C101DTP	KMY
R 752	RGC1/16C103DTP	KMY	R 907	RGC1/16C222DTP	KMY	R 982	RGC1/16C101DTP	KMY
R 753	RGC1/16C223DTP	KMY	R 908	RGC1/16C221DTP	KMY	R 983	RMC1/16JPTP	KMY
R 754	RGC1/16C223DTP	KMY	R 909	RGC1/16C221DTP	KMY	R 984	RGC1/16C101DTP	KMY
R 755	RGC1/16C103DTP	KMY	R 910	RGC1/16C183DTP	KMY	R 985	RGC1/16C101DTP	KMY
R 756	RMC1/16224FTP	KMY	R 911	RGC1/16C103DTP	KMY	R 986	RMC1/16JPTP	KMY
R 757	RMC1/16224FTP	KMY	R 912	RGC1/16C471DTP	KMY	R 987	※	
R 758	RGC1/16C152DTP	KMY	R 913	RGC1/16C101DTP	KMY	R 988	RMC1/16JPTP	KMY
R 759	RGC1/16C103DTP	KMY	R 914	RGC1/16C222DTP	KMY	R 989	※	
R 760	RMC1/16104FTP	KMY	R 915	RGC1/16C122DTP	KMY	R 990	RMC1/16684FTP	KMY
R 761	RGC1/16C101DTP	KMY	R 916	RGC1/16C122DTP	KMY	R 991	RGC1/16C103DTP	KMY
R 762	RMC1/16JPTP	KMY	R 917	RMC1/16104FTP	KMY	R 992	RGC1/16C103DTP	KMY
R 765	RGC1/16C102DTP	KMY	R 918	RMC1/16104FTP	KMY	R 993	RGC1/16C103DTP	KMY
R 766	RGC1/16C822DTP	KMY	R 919	RMC1/16104FTP	KMY	R 994	RGC1/16C103DTP	KMY
R 767	RGC1/16C331DTP	KMY	R 920	RMC1/16104FTP	KMY	R 995	RGC1/16C103DTP	KMY
R 770	RGC1/16C102DTP	KMY	R 921	RMC1/16104FTP	KMY	R 996	RGC1/16C103DTP	KMY
R 773	RGC1/16C102DTP	KMY	R 922	※		R 997	RMC1/16474FTP	KMY
R 774	RGC1/16C222DTP	KMY	R 923	RGC1/16C222DTP	KMY	R 998	RMC1/16474FTP	KMY
R 775	RMC1/16104FTP	KMY	R 924	RGC1/16C333DTP	KMY	R 999	RMC1/16474FTP	KMY
R 776	RGC1/16C102DTP	KMY	R 925	RMC1/16474FTP	KMY	< SWITCHES >		
R 777	RGC1/16C101DTP	KMY	R 926	RGC1/16C223DTP	KMY	< CONNECTOR ACCESORIES >		
R 778	RGC1/16C472DTP	KMY	R 927	RMC1/10106FTP	KMY			
R 779	RGC1/16C223DTP	KMY	R 928	RGC1/16C222DTP	KMY	S 901	CS413NB	CPL
R 780	RGC1/16C473DTP	KMY	R 929	RGC1/16C222DTP	KMY			
R 781	RGC1/16K220DTP	KMY	R 930	RMC1/16684FTP	KMY			
R 782	RGC1/16K220DTP	KMY	R 931	RMC1/16684FTP	KMY			
R 783	RGC1/16K220DTP	KMY	R 932	RMC1/16684FTP	KMY	TB 901	BN6003	KND
R 784	RGC1/16K220DTP	KMY	R 933	RGC1/16C101DTP	KMY	TB 902	BN6003	KND

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
TB 903	BN6003	KND	TR 201	UNR221100L	MEC	VR 207	ST4ETB103	CPL
TB 904	BN6003	KND	TR 202	UNR221100L	MEC	VR 301	ST4ETB102	CPL
TB 905	BN6003	KND	TR 203	2SC3735T1BAB35	NEC	VR 302	ST4ETB102	CPL
TB 906	BN6003	KND	TR 204	2SA1461Y24T1BA	NEC	VR 303	ST4ETB102	CPL
TB 907	BN6003	KND	TR 205	2SC3735T1BAB35	NEC	VR 304	ST4ETB203	CPL
TB 908	BN6003	KND	TR 206	2SA1461Y24T1BA	NEC	VR 305	ST4ETB202	CPL
< TEST POINTS >								
TP 1	EYF6CU	MAT	TR 303	2SC3735T1BAB35	NEC	VR 405	ST4ETB203	CPL
TP 2	EYF6CU	MAT	TR 304	2SC3735T1BAB35	NEC	VR 406	ST4ETB102	CPL
TP 3	EYF6CU	MAT	TR 305	2SC3735T1BAB35	NEC	VR 407	ST4ETB103	CPL
TP 101	EYF6CU	MAT	TR 306	2SA1461Y24T1BA	NEC	VR 501	ST4ETB102	CPL
TP 102	EYF6CU	MAT	TR 307	2SA1461Y24T1BA	NEC	VR 502	ST4ETB102	CPL
TP 103	EYF6CU	MAT	TR 308	2SC3735T1BAB35	NEC	VR 503	ST4ETB102	CPL
TP 104	EYF6CU	MAT	TR 309	UNR211100L	MEC	VR 504	ST4ETB203	CPL
TP 105	EYF6CU	MAT	TR 310	2SC3735T1BAB35	NEC	VR 505	ST4ETB202	CPL
TP 106	EYF6CU	MAT	TR 311	2SK303V4TAE	SYO	VR 506	ST4ETG202	CPL
TP 107	EYF6CU	MAT	TR 401	UNR221100L	MEC	VR 603	ST4ETB501	CPL
TP 201	EYF6CU	MAT	TR 402	UNR221100L	MEC	VR 604	ST4ETB102	CPL
TP 202	EYF6CU	MAT	TR 403	2SC3735T1BAB35	NEC	VR 605	ST4ETB203	CPL
TP 203	EYF6CU	MAT	TR 404	2SA1461Y24T1BA	NEC	VR 606	ST4ETB102	CPL
TP 204	EYF6CU	MAT	TR 405	2SC3735T1BAB35	NEC	VR 607	ST4ETB103	CPL
TP 205	EYF6CU	MAT	TR 406	2SA1461Y24T1BA	NEC	VR 608	ST4ETB202	CPL
TP 301	EYF6CU	MAT	TR 407	2SC3735T1BAB35	NEC	VR 701	ST4ETB202	CPL
TP 302	EYF6CU	MAT	TR 501	2SC3735T1BAB35	NEC	VR 702	ST4ETB501	CPL
TP 303	EYF6CU	MAT	TR 502	2SC3735T1BAB35	NEC	VR 751	ST4ETB203	CPL
TP 304	EYF6CU	MAT	TR 503	2SC3735T1BAB35	NEC	VR 752	ST4ETB103	CPL
TP 305	EYF6CU	MAT	TR 504	2SC3735T1BAB35	NEC	VR 753	ST4ETB203	CPL
TP 306	EYF6CU	MAT	TR 505	2SC3735T1BAB35	NEC	VR 851	ST4ETB103	CPL
TP 307	EYF6CU	MAT	TR 506	2SA1461Y24T1BA	NEC	VR 852	ST4ETB102	CPL
TP 401	EYF6CU	MAT	TR 507	2SA1461Y24T1BA	NEC			
TP 402	EYF6CU	MAT	TR 508	2SC3735T1BAB35	NEC			
TP 403	EYF6CU	MAT	TR 509	UNR211100L	MEC			
TP 404	EYF6CU	MAT	TR 510	2SC3735T1BAB35	NEC			
TP 405	EYF6CU	MAT	TR 511	2SK303V4TAE	SYO			
TP 501	EYF6CU	MAT	TR 601	UNR221100L	MEC			
TP 502	EYF6CU	MAT	TR 602	UNR221100L	MEC			
TP 503	EYF6CU	MAT	TR 603	2SC3735T1BAB35	NEC			
TP 504	EYF6CU	MAT	TR 604	2SA1461Y24T1BA	NEC			
TP 505	EYF6CU	MAT	TR 605	2SC3735T1BAB35	NEC			
TP 506	EYF6CU	MAT	TR 606	2SA1461Y24T1BA	NEC			
TP 507	EYF6CU	MAT	TR 607	2SC3735T1BAB35	NEC			
TP 601	EYF6CU	MAT	TR 741	UNR221100L	MEC			
TP 602	EYF6CU	MAT	TR 743	UNR221100L	MEC			
TP 603	EYF6CU	MAT	TR 744	2SC3735T1BAB35	NEC			
TP 604	EYF6CU	MAT	TR 871	2SC3735T1BAB35	NEC			
TP 605	EYF6CU	MAT	TR 872	2SA1461Y24T1BA	NEC			
TP 701	EYF6CU	MAT	TR 873	2SC3631ZE1AZK	NEC			
TP 871	EYF6CU	MAT	TR 901	2SC3735T1BAB35	NEC			
TP 872	EYF6CU	MAT	TR 902	2SC3735T1BAB35	NEC			
TP 901	EYF6CU	MAT	TR 903	2SC3735T1BAB35	NEC			
TP 902	EYF6CU	MAT	TR 904	2SC3735T1BAB35	NEC			
TP 903	EYF6CU	MAT	TR 905	UNR221100L	MEC			
TP 904	EYF6CU	MAT	TR 906	UNR221100L	MEC			
TP 905	EYF6CU	MAT	TR 908	2SA1461Y24T1BA	NEC			
TP 906	EYF6CU	MAT	TR 909	2SA1461Y24T1BA	NEC			
TP 907	EYF6CU	MAT	TR 910	UNR221100L	MEC			
TP 908	EYF6CU	MAT	TR 911	UNR221100L	MEC			
< VARIABLE CAPACITORS >								
< TRANSISTORS >								
TR 1	2SA1461Y24T1BA	NEC	VC 201	TZB4Z100BB10R00	MUR			
TR 101	2SC3735T1BAB35	NEC	VC 401	TZB4Z100BB10R00	MUR			
TR 102	2SC3735T1BAB35	NEC	VC 601	TZB4Z100BB10R00	MUR			
TR 103	2SC3735T1BAB35	NEC	< VARIABLE RESISTORS >					
TR 104	2SC3735T1BAB35	NEC	VR 103	ST4ETB102	CPL			
TR 105	2SC3735T1BAB35	NEC	VR 104	ST4ETB203	CPL			
TR 106	2SA1461Y24T1BA	NEC	VR 201	ST4ETB502	CPL			
TR 107	2SA1461Y24T1BA	NEC	VR 202	ST4ETB502	CPL			
TR 108	2SC3735T1BAB35	NEC	VR 203	ST4ETB502	CPL			
TR 109	UNR211100L	MEC	VR 204	ST4ETB502	CPL			
TR 110	2SC3735T1BAB35	NEC	VR 205	ST4ETB203	CPL			
TR 111	2SK303V4TAE	SYO						

## RGB OUT BOARD (1990R)

PP-906460

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< CAPACITORS >								
C 101	EMVY160ADA101MF55	NCH	D 203	※		R 211	RNP10C1500FZ00	NKM
C 102	EMVY160ADA101MF55	NCH	D 204	1SS300TE85RF	TSB	R 212	RNP10C1500FZ00	NKM
C 103	GRM188B11E104KA01	MUR	D 205	1SS83TDE	HIT	R 213	RGC1/16C561DTP	KMY
C 104	GRM188B11E104KA01	MUR	D 206	1SS83TDE	HIT	R 214	RGC1/16C561DTP	KMY
C 105	EMVY350ADA100ME55G	NCH	D 302	1SS302TE85RF	TSB	R 215	RGC1/16C561DTP	KMY
C 106	GRM1882C1H121JA01	MUR	D 303	※		R 216	RGC1/16C561DTP	KMY
C 107	GRM1882C1H181JA01	MUR	D 304	1SS300TE85RF	TSB	R 220	RGC1/16C561DTP	KMY
C 108	GRM188B11E104KA01	MUR	D 305	1SS83TDE	HIT	R 221	RMC1104FTE	KMY
C 109	GRM39B103K50PT	MUR	D 306	1SS83TDE	HIT	R 222	RGC1/16C103DTP	KMY
C 110	GRM188B11E104KA01	MUR	D 551	1SS300TE85RF	TSB	R 223	RGC1/16C103DTP	KMY
C 111	EKMG201ELL100MJ16	NCH	< INTEGRATED CIRCUITS >			R 224	RMC1/16JPTP	KMY
C 112	GRM43DR72J104KW01	MUR	IC 101	UPC4081G2E1A	NEC	R 225	※	
C 113	※		IC 102	LF398NNOPB	NSC	R 226	RGC1/16C472DTP	KMY
C 114	GRM39B103K50PT	MUR	IC 201	UPC4081G2E1A	NEC	R 227	RGC1/16K100DTP	KMY
C 115	※		IC 202	LF398NNOPB	NSC	R 228	RGC1/16K100DTP	KMY
C 116	EMVY350ADA100ME55G	NCH	IC 301	UPC4081G2E1A	NEC	R 229	RGC1/16K100DTP	KMY
C 201	EMVY160ADA101MF55	NCH	IC 302	LF398NNOPB	NSC	R 230	RGC1/16K100DTP	KMY
C 202	EMVY160ADA101MF55	NCH	IC 551	TL7700CPSETAPL	TEX	R 231	※	
C 203	GRM188B11E104KA01	MUR	< COILS >			R 232	RGC1/16C473DTP	KMY
C 204	GRM188B11E104KA01	MUR	L 101	SLF7045T101MR50PF	TDK	R 233	RGC1/16C152DTP	KMY
C 205	EMVY350ADA100ME55G	NCH	L 201	SLF7045T101MR50PF	TDK	R 234	RGC1/16C101DTP	KMY
C 206	GRM1882C1H121JA01	MUR	L 301	SLF7045T101MR50PF	TDK	R 235	RGC1/16C102DTP	KMY
C 207	GRM1882C1H181JA01	MUR	L 501	SLF7045T101MR50PF	TDK	R 236	RGC1/16C101DTP	KMY
C 208	GRM188B11E104KA01	MUR	< RESISTORS >			R 237	RGC1/16C101DTP	KMY
C 209	GRM39B103K50PT	MUR	< CONNECTORS >			R 238	RGC1/16C152DTP	KMY
C 210	GRM188B11E104KA01	MUR	R 101	RMC1100FTE	KMY	R 239	RGC1/16C471DTP	KMY
C 211	EKMG201ELL100MJ16	NCH	R 102	RMC1100FTE	KMY	R 240	※	
C 212	GRM43DR72J104KW01	MUR	R 103	※		R 241	※	
C 213	※		R 104	RGC1/16C101DTP	KMY	R 242	RGC1/16C332DTP	KMY
C 214	GRM39B103K50PT	MUR	R 105	RGC1/16C472DTP	KMY	R 301	RMC1100FTE	KMY
C 215	※		R 106	RGC1/16C472DTP	KMY	R 302	RMC1100FTE	KMY
C 216	EMVY350ADA100ME55G	NCH	R 107	RGC1/16C102DTP	KMY	R 303	※	
C 301	EMVY160ADA101MF55	NCH	R 108	RGC1/16C101DTP	KMY	R 304	RGC1/16C101DTP	KMY
C 302	EMVY160ADA101MF55	NCH	R 111	RNP10C1500FZ00	NKM	R 305	RGC1/16C472DTP	KMY
C 303	GRM188B11E104KA01	MUR	R 112	RNP10C1500FZ00	NKM	R 306	RGC1/16C472DTP	KMY
C 304	GRM188B11E104KA01	MUR	R 113	RGC1/16C561DTP	KMY	R 307	RGC1/16C102DTP	KMY
C 305	EMVY350ADA100ME55G	NCH	R 114	RGC1/16C561DTP	KMY	R 308	RGC1/16C101DTP	KMY
C 306	GRM1882C1H121JA01	MUR	R 115	RGC1/16C561DTP	KMY	R 311	RNP10C1500FZ00	NKM
C 307	GRM1882C1H181JA01	MUR	R 116	RGC1/16C561DTP	KMY	R 312	RNP10C1500FZ00	NKM
C 308	GRM188B11E104KA01	MUR	R 120	RGC1/16C561DTP	KMY	R 313	RGC1/16C561DTP	KMY
C 309	GRM39B103K50PT	MUR	R 121	RMC1104FTE	KMY	R 314	RGC1/16C561DTP	KMY
C 310	GRM188B11E104KA01	MUR	R 122	RGC1/16C103DTP	KMY	R 315	RGC1/16C561DTP	KMY
C 311	EKMG201ELL100MJ16	NCH	R 123	RGC1/16C103DTP	KMY	R 316	RGC1/16C561DTP	KMY
C 312	GRM43DR72J104KW01	MUR	R 124	RMC1/16JPTP	KMY	R 320	RGC1/16C561DTP	KMY
C 313	※		R 125	※		R 321	RMC1104FTE	KMY
C 314	GRM39B103K50PT	MUR	R 126	RGC1/16C472DTP	KMY	R 322	RGC1/16C103DTP	KMY
C 315	※		R 127	RGC1/16K100DTP	KMY	R 323	RGC1/16C103DTP	KMY
C 316	EMVY350ADA100ME55G	NCH	R 128	RGC1/16K100DTP	KMY	R 324	RMC1/16JPTP	KMY
C 401	※		R 129	RGC1/16K100DTP	KMY	R 325	※	
C 501	EKMG201ELL470MK20	NCH	R 130	RGC1/16K100DTP	KMY	R 326	RGC1/16C472DTP	KMY
C 502	EKMG201ELL100MJ16	NCH	R 131	※		R 327	RGC1/16K100DTP	KMY
C 503	ESMG201ELL220MJ20	NCH	R 132	RGC1/16C473DTP	KMY	R 328	RGC1/16K100DTP	KMY
C 504	GRM43DR72J104KW01	MUR	R 133	RGC1/16C152DTP	KMY	R 329	RGC1/16K100DTP	KMY
C 551	EMVY160ADA101MF55	NCH	R 134	RGC1/16C101DTP	KMY	R 330	RGC1/16K100DTP	KMY
C 552	GRM40F104Z50PT	MUR	R 135	RGC1/16C102DTP	KMY	R 331	※	
C 553	EKMG101ETC100MF11	NCH	R 136	RGC1/16C101DTP	KMY	R 332	RGC1/16C473DTP	KMY
< CONNECTORS >								
CN 213	HIF3FC20PA2R54DSA-A	HRS	R 137	RGC1/16C101DTP	KMY	R 333	RGC1/16C152DTP	KMY
CN 214	DF14P2R5DS05	HRS	R 138	RGC1/16C152DTP	KMY	R 334	RGC1/16C471DTP	KMY
CN 215	DF14P2R5DS05	HRS	R 139	RGC1/16C471DTP	KMY	R 340	※	
CN 216	DF14P2R5DS05	HRS	R 140	※		R 341	※	
CN 217	DF12P2R5DSA05	HRS	R 141	※		R 342	RGC1/16C332DTP	KMY
< DIODES >								
D 102	1SS302TE85RF	TSB	R 142	RGC1/16C332DTP	KMY	R 401	※	
D 103	※		R 203	※		R 402	※	
D 104	1SS300TE85RF	TSB	R 204	RGC1/16C101DTP	KMY	R 403	※	
D 105	1SS83TDE	HIT	R 205	RGC1/16C472DTP	KMY	R 404	※	
D 106	1SS83TDE	HIT	R 206	RGC1/16C472DTP	KMY	R 405	RGC1/16C182DTP	KMY
D 202	1SS302TE85RF	TSB	R 207	RGC1/16C102DTP	KMY	R 406	RGC1/16C331DTP	KMY
			R 208	RGC1/16C101DTP	KMY	R 407	RGC1/16C183DTP	KMY
						R 408	RGC1/16C103DTP	KMY
						R 409	RGC1/16C472DTP	KMY

**CRT SOCKET (1990R)**  
**PP-906525**

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
<hr/>								
R 410	※		TR 306	2SA1209	SYO	< CAPACITORS >		
R 501	RMC1104FTE	KMY	TR 307	2SC3601	SYO			
R 502	RGC1/16C122DTP	KMY	TR 308	2SA1407ED	SYO	C 1	DEBB33F471KC3B	MUR
R 503	RGC1/16C122DTP	KMY	TR 309	2SC2911S	SYO	C 2	ECQE2104JF3	MAT
R 504	RGC1/16C122DTP	KMY	TR 401	UNR211100L	MEC			
R 505	RGC1/16C122DTP	KMY	TR 402	※	< CONNECTORS >			
R 506	RGC1/16C122DTP	KMY	TR 403	2SC3360T1BAN1617	NEC			
R 507	RGC1/16C122DTP	KMY	TR 404	2SA1461Y24T1BA	NEC	CN 204	90C4N59045	UTK
R 508	RGC1/16C122DTP	KMY	TR 501	2SD1264AP	MEC	CN 217	90C4N45080	UTK
R 509	RGC1/16C122DTP	KMY	TR 551	UNR211100L	MEC	CN 224	B1PLVTALF	NAT
R 510	RGC1/16C122DTP	KMY	TR 552	UNR221100L	MEC	CN 936	DF14P2R5DSA05	HRS
R 511	RGC1/16C122DTP	KMY	< VARIABLE RESISTORS >			CN 937	DF14P2R5DSA05	HRS
R 551	RMC1/10334FTP	KMY	VR 101	ST4ETB101	CPL	CN 938	DF14P2R5DSA05	HRS
R 552	RGC1/10C393DTP	KMY	VR 102	ST4ETB103	CPL	CN 950	HPS04400151009	HOS
R 553	RMC1104FTE	KMY	VR 201	ST4ETB101	CPL	< COILS >		
R 554	RGC1/10C333DTP	KMY	VR 202	ST4ETB103	CPL	L 1	LAL02TB2R2K	TYU
R 555	RGC1/10C223DTP	KMY	VR 301	ST4ETB101	CPL	L 2	LAL02TB2R2K	TYU
R 556	RMC1/10105FTP	KMY	VR 302	ST4ETB103	CPL	L 3	LAL02TB2R2K	TYU
R 557	※		< TRANSISTOR ACCESORIES >			< RESISTORS >		
SE 103	40ST901396	SKK				R 1	CFS1/4CT26221J	KOA
SE 104	40ST901396	SKK				R 2	CFS1/4CT26222J	KOA
SE 105	40ST901396	SKK				R 3	CFS1/4CT26100J	KOA
SE 106	40ST901396	SKK				R 4	CFS1/4CT26104J	KOA
SE 107	40ST901396	SKK				R 5	CFS1/4CT26222J	KOA
SE 108	40ST901396	SKK				R 6	CFS1/4CT26100J	KOA
SE 203	40ST901396	SKK				R 8	CFS1/4CT26222J	KOA
SE 204	40ST901396	SKK				R 9	CFS1/4CT26100J	KOA
SE 205	40ST901396	SKK	< SPARK GAPS >					
SE 206	40ST901396	SKK				SK 1	Y08UZ230B	SKO
SE 207	40ST901396	SKK				SK 2	Y08UZ230B	SKO
SE 208	40ST901396	SKK				SK 3	Y08UZ230B	SKO
SE 303	40ST901396	SKK				SK 4	Y08UZ230B	SKO
SE 304	40ST901396	SKK	< TERMINALS >					
SE 305	40ST901396	SKK				< TEST POINTS >		
SE 306	40ST901396	SKK				TP 1	IPS1163A	IRS
SE 307	40ST901396	SKK				TP 2	IPS1163A	IRS
SE 308	40ST901396	SKK				TP 3	IPS1163A	IRS
< TEST POINTS >								
TP 101	EYF6CU	MAT				TP 4	IPS1163A	IRS
TP 102	EYF6CU	MAT				TP 5	IPS1163A	IRS
TP 201	EYF6CU	MAT				TP 6	IPS1163A	IRS
TP 202	EYF6CU	MAT				TP 7	IPS1163A	IRS
TP 301	EYF6CU	MAT				TP 8	IPS1163A	IRS
TP 302	EYF6CU	MAT	< TRANSISTORS >					
TP 303	EYF6CU	MAT				< TEST POINTS >		
TP 401	EYF6CU	MAT				TR 101	2SA1461Y24T1BA	NEC
TP 402	EYF6CU	MAT				TR 102	2SA1461Y24T1BA	NEC
< TEST POINTS >								
TR 103	2SC3601	SYO				TR 103	2SC3601	SYO
TR 104	2SC3595DE	SYO				TR 106	2SA1209	SYO
TR 106	2SA1209	SYO				TR 107	2SC3601	SYO
TR 107	2SC3601	SYO				TR 108	2SA1407ED	SYO
TR 108	2SA1407ED	SYO				TR 109	2SC2911S	SYO
TR 109	2SC2911S	SYO				TR 201	2SA1461Y24T1BA	NEC
TR 201	2SA1461Y24T1BA	NEC				TR 202	2SA1461Y24T1BA	NEC
TR 202	2SA1461Y24T1BA	NEC				TR 203	2SC3601	SYO
TR 203	2SC3601	SYO				TR 204	2SC3595DE	SYO
TR 206	2SA1209	SYO				TR 206	2SA1209	SYO
TR 207	2SC3601	SYO				TR 207	2SC3601	SYO
TR 208	2SA1407ED	SYO				TR 208	2SA1407ED	SYO
TR 209	2SC2911S	SYO				TR 209	2SC2911S	SYO
TR 301	2SA1461Y24T1BA	NEC				TR 301	2SA1461Y24T1BA	NEC
TR 302	2SA1461Y24T1BA	NEC				TR 302	2SC3601	SYO
TR 303	2SC3601	SYO				TR 303	2SC3601	SYO
TR 304	2SC3595DE	SYO				TR 304	2SC3595DE	SYO

# DEF BOARD (COMMON)

PP-906354

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< CAPACITORS >								
C 101	EMVL350ADA100ME60G	NCH	C 607	EKMG161ELL100MJC5	NCH	D 308	AA1102WTR	STL
C 102	EKMG250ELL101MF11	NCH	C 608	GRM21BB11H104KA01	MUR	D 401	DFH10TG	SYO
C 103	EMVY160ADA101MF55	NCH	C 609	EMVL160ADA470MF60	NCH	D 402	DFH10TG	SYO
C 104	EMVL350ADA100ME60G	NCH	C 610	EMVL160ADA100MD60	NCH	D 601	HZM2R0NBTEL	RNES
C 105	EKMG250ELL101MF11	NCH	C 611	GRM21BB11H104KA01	MUR	D 602	ISS300TE85RF	TSB
C 106	EMVY160ADA101MF55	NCH	C 612	EMVL160ADA470MF60	NCH	D 603	DFH10TG	SYO
C 107	EMVL350ADA100ME60G	NCH	C 613	GRM2162C1H151JA01	MUR	D 604	ISS302TE85RF	TSB
C 108	EMVY160ADA101MF55	NCH	C 614	EKMG251ELL100MJ16	NCH	D 605	ISS300TE85RF	TSB
C 109	EMVY160ADA101MF55	NCH	C 615	EKMG251ELL100MJ16	NCH	D 606	ISS82TAE	HIT
C 110	EMVY160ADA101MF55	NCH	C 616	EKMG251ELL100MJ16	NCH	D 607	ISS82TAE	HIT
C 111	GRM21BB11H104KA01	MUR	C 617	EKMG251ELL100MJ16	NCH	D 608	ISS82TAE	HIT
C 112	GRM21BB11H104KA01	MUR	C 626	267M3502105MR	NCC	D 609	HZ242TDE	RNES
C 113	GRM21BB11H104KA01	MUR	C 627	GRM21BB11H104KA01	MUR	D 612	5VUZ52F	TSB
C 114	GRM21BB11H104KA01	MUR	C 628	ELXZ350ELL471MJ20	NCH	D 613	ISS300TE85RF	TSB
C 115	GRM21BB11H104KA01	MUR	C 629	ELXZ350ELL471MJ20	NCH	D 614	DFH10TG	SYO
C 116	EMVL160ADA470MF60	NCH	C 635	GRM40B103K50PT	MUR	D 615	DFH10TG	SYO
C 117	GRM21BB11H104KA01	MUR	C 637	GRM2162C1H151JA01	MUR	D 616	ISS301TE85RF	TSB
C 118	EMVL160ADA470MF60	NCH	C 645	GRM21BB11H104KA01	MUR	D 617	DFH10TG	SYO
C 119	GRM21BB11H104KA01	MUR	C 646	GRM21BB11H104KA01	MUR	D 618	D2F605063	SND
C 120	EMVL160ADA470MF60	NCH	C 647	GRM21BB11H104KA01	MUR	D 619	D2F605063	SND
C 121	GRM21BB11H104KA01	MUR	C 648	GRM21BB11H104KA01	MUR	D 620	ISS301TE85RF	TSB
C 122	EMVL160ADA470MF60	NCH	C 651	GRM21BB11H104KA01	MUR	D 621	ISS300TE85RF	TSB
C 201	GRM1882C1H100JA01	MUR	C 652	GRM21BB11H104KA01	MUR	D 622	ISS300TE85RF	TSB
C 202	EKMG250ELL102MJ20	NCH	C 653	GRM426B104K50PT	MUR	D 623	ISS301TE85RF	TSB
C 203	GRM21BB11H104KA01	MUR	C 654	GRM426B104K50PT	MUR			
C 204	GRM40CH101J50PT	MUR	C 655	EMVL160ADA470MF60	NCH	< CONNECTORS >		
C 205	GRM40CH101J50PT	MUR	< CONNECTORS >			EL 101	009067033000806-A	ELC
C 206	GRM40CH102J50PT	MUR	CN 110	A210PA2R54DS71	HRS	EL 101	009067020000807-A	ELC
C 207	GRM40CH102J50PT	MUR	CN 201	DF13A20DP1R25V26	HRS	< INTEGRATED CIRCUITS >		
C 208	GRM21BB11H104KA01	MUR	CN 202	DF1BZ18DP2R5DSA	HRS	IC 101	NJM7812FASHPZZB	SJRC
C 209	GRM40CH101J50PT	MUR	CN 203	DF1BZ10P2R5DSA	HRS	IC 102	NJM7912FASHPZZB	SJRC
C 210	GRM40CH101J50PT	MUR	CN 204	DF1BZ2P2R5DSA	HRS	IC 103	NJM7805FASHPZZB	SJRC
C 211	GRM21BB11H104KA01	MUR	CN 205	DF1BZ8P2R5DSA	HRS	IC 104	NJU3718GTE1SHPZZZ	SJRC
C 212	GRM188B11A154KA01D	MUR	CN 250	DF1BZ4P2R5DSA	HRS	IC 105	NJM4558MTE1SHPZZZ	SJRC
C 213	GRM21BB11H104KA01	MUR	CN 901	3504301	AMP	IC 106	NJM4558MTE1SHPZZZ	SJRC
C 214	GRM216B11H822KA01	MUR	CN 902	DF12P2R5DSA05	HRS	IC 201	TDA4856V6	PHI
C 215	GRM21BB11H104KA01	MUR	< DIODES >			IC 202	UPC393G2E2A	NEC
C 216	ECQP1H103GZW	MAT	< DIODES >			IC 203	SN74AHC1GU04DBVR	TEX
C 217	GRM188B11H222KA01	MUR	D 101	D2F605063	SND	IC 204	TL7700CPSETAPL	TEX
C 218	GRM40B103K50PT	MUR	D 102	D2F605063	SND	IC 205	TL431CLPRE3	TEX
C 220	GRM21BB11H104KA01	MUR	D 103	D2F605063	SND	IC 301	TC74HC123AFELNEF	TSB
C 221	EMVL160ADA100MD60	NCH	D 104	D2F605063	SND	IC 302	TL082CPSETAPL	TEX
C 222	EMVY160ADA220ME55G	NCH	D 105	D2F605063	SND	IC 401	LA7876NE	SYO
C 223	EMVY160ADA101MF55	NCH	D 106	D2F605063	SND	IC 402	TC4W53FUTE12LF	TSB
C 224	EMVL160ADA470MF60	NCH	D 107	D2F605063	SND	IC 601	TL082CPSETAPL	TEX
C 225	GRM40CH101J50PT	MUR	D 108	HZM5R1NBTEL	RNES	IC 602	NJM2904MTE1SHPZZZ	SJRC
C 226	GRM1882C1H180JA01	MUR	D 109	ISS302TE85RF	TSB	IC 604	TC74HC123AFELNEF	TSB
C 227	GRM21BB11H104KA01	MUR	D 110	ISS302TE85RF	TSB	IC 605	TC4W53FUTE12LF	TSB
C 228	EMVY160ADA101MF55	NCH	D 111	ISS302TE85RF	TSB	< COILS >		
C 229	GRM21BB11H104KA01	MUR	D 112	PG1102WTR	STL	< RESISTORS >		
C 301	GRM21BB11H104KA01	MUR	D 113	PG1102WTR	STL	L 101	TSL1112S101K1R4PF	TDK
C 302	GRM40B103K50PT	MUR	D 114	PG1102WTR	STL	L 102	TSL1112S101K1R4PF	TDK
C 303	EMVL160ADA470MF60	NCH	D 115	HZM5R1NBTEL	RNES	L 103	TSL1112S101K1R4PF	TDK
C 304	GRM21BB11H104KA01	MUR	D 116	D2F605063	SND	L 601	90ST903228	TTE
C 305	GRM2192C1H681JA01	MUR	D 117	D2F605063	SND	L 604	90ST902865	TTE
C 306	GRM21BB11H104KA01	MUR	D 118	D2F605063	SND	< RESISTORS >		
C 307	GRM21BB11H104KA01	MUR	D 119	D2F605063	SND	R 101	MOSX2C2R2J	KOA
C 308	EKMG101ELL1R0ME11	NCH	D 201	ISS300TE85RF	TSB	R 102	MOSX2C1R5J	KOA
C 401	EMVL350ADA100ME60G	NCH	D 202	ISS302TE85RF	TSB	R 103	RMC1/10334FTP	KMY
C 402	ELXZ350ELL471MJ20	NCH	D 203	ISS302TE85RF	TSB	R 104	RGC1/10C102DTP	KMY
C 403	GRM40B103K50PT	MUR	D 204	ISS301TE85RF	TSB	R 105	RGC1/10C102DTP	KMY
C 404	GRM40B103K50PT	MUR	D 205	ISS294TE85RF	TSB	R 106	RGC1/10C102DTP	KMY
C 406	EMVL160ADA470MF60	NCH	D 206	HZM6R2NBTEL	RNES	R 107	RGC1/10C103DTP	KMY
C 407	ELXZ500ELL101MH12	NCH	D 207	ISS301TE85RF	TSB	R 108	RGC1/10C102DTP	KMY
C 408	ELXZ500ELL101MH12	NCH	D 208	ISS301TE85RF	TSB	R 109	RGC1/10C472DTP	KMY
C 409	ECQE2104JF3	MAT	D 301	ISS302TE85RF	TSB	R 110	RGC1/10C472DTP	KMY
C 410	ELXZ350ELL471MJ20	NCH	D 302	ISS301TE85RF	TSB	R 111	RGC1/10C472DTP	KMY
C 601	EKMG161ELL100MJC5	NCH	D 303	AA1102WTR	STL	R 112	RGC1/10C152DTP	KMY
C 602	GRM21BB11H104KA01	MUR	D 304	ISS302TE85RF	TSB	R 113	RGC1/10C203DTP	KMY
C 603	ECQE2104JF3	MAT	D 305	ISS301TE85RF	TSB			
C 604	GRM21BB11H104KA01	MUR	D 306	AA1102WTR	STL			
C 605	MPE0800J222	NSD	D 307	ISS301TE85RF	TSB			
C 606	HM60SJYB471K	MITM						

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
R 114	RGC1/10C103DTP	KMY	R 409	RGC1/10C272DTP	KMY	< RELAYS >		
R 115	RGC1/10C103DTP	KMY	R 410	MOSX1C2R2J	KOA	RL 601	G2R1AEASIDC12V	OMR
R 116	RGC1/10C220DTP	KMY	R 411	MOSX1C2R2J	KOA		RL 602	G2R1AEASIDC12V
R 117	RGC1/10C220DTP	KMY	R 412	CFS1/2CT26221J	KOA	< TRANSFORMERS >		
R 118	RGC1/10C220DTP	KMY	R 413	MOSX2C1R5J	KOA	T 601	90ST9028431	TTE
R 119	RGC1/10C220DTP	KMY	R 601	RMC1/10JPTP	KMY		T 602	90ST902863
R 120	RMC1100FTE	KMY	R 603	RGC1/10C103DTP	KMY	T 603	CT032	TDK
R 121	RMC1100FTE	KMY	R 604	RGC1/10C103DTP	KMY			
R 122	RGC1/10C392DTP	KMY	R 605	RGC1/10C103DTP	KMY			
R 123	RGC1/10C103DTP	KMY	R 606	RGC1/10C103DTP	KMY	< TEST POINTS >		
R 124	RGC1/10C332DTP	KMY	R 607	RGC1/10C103DTP	KMY	TP 101	EYF6CU	MAT
R 125	RGC1/10C103DTP	KMY	R 608	RMC1103FTE	KMY		TP 102	EYF6CU
R 126	RMC1/10I04FTP	KMY	R 609	RGC1/10C332DTP	KMY	TP 103	EYF6CU	MAT
R 127	RGC1/10C103DTP	KMY	R 610	RGC1/10C103DTP	KMY		TP 104	EYF6CU
R 128	RMC1100FTE	KMY	R 611	RGC1/10C823DTP	KMY	TP 105	EYF6CU	MAT
R 129	RMC1/10JPTP	KMY	R 612	RGC1/10C823DTP	KMY		TP 106	EYF6CU
R 201	RGC1/10C152DTP	KMY	R 613	RGC1/10C823DTP	KMY	TP 201	EYF6CU	MAT
R 202	RGC1/10C101DTP	KMY	R 614	MOS1C101J	KOA		TP 202	EYF6CU
R 203	RGC1/10C101DTP	KMY	R 615	MOS1C101J	KOA	TP 203	EYF6CU	MAT
R 204	RGC1/10C102DTP	KMY	R 616	RMC1104FTE	KMY		TP 204	EYF6CU
R 205	RGC1/10C102DTP	KMY	R 617	RMC1104FTE	KMY	TP 205	EYF6CU	MAT
R 206	RGC1/10C101DTP	KMY	R 618	RGC1/10C221DTP	KMY		TP 206	EYF6CU
R 207	RGC1/10C101DTP	KMY	R 619	RMC1/10JPTP	KMY	TP 207	EYF6CU	MAT
R 208	RGC1/10C101DTP	KMY	R 620	RGC1/10C103DTP	KMY		TP 208	EYF6CU
R 209	RGC1/10C332DTP	KMY	R 621	RMC1102FTE	KMY	TP 209	EYF6CU	MAT
R 210	RGC1/10C332DTP	KMY	R 622	RGC1/10C220DTP	KMY		TP 210	EYF6CU
R 211	RGC1/10C223DTP	KMY	R 623	RGC1/10C220DTP	KMY	TP 211	EYF6CU	MAT
R 212	RGC1/10C332DTP	KMY	R 624	RGC1/10C220DTP	KMY		TP 212	EYF6CU
R 213	RGC1/10C102DTP	KMY	R 625	RGC1/10C220DTP	KMY	TP 213	EYF6CU	MAT
R 214	RGC1/10C561DTP	KMY	R 626	RGC1/10C103DTP	KMY		TP 214	EYF6CU
R 215	RGC1/10C512DTP	KMY	R 627	RGC1/10C472DTP	KMY	TP 215	EYF6CU	MAT
R 216	RGC1/10C221DTP	KMY	R 628	RMC1/10I54FTP	KMY		TP 216	EYF6CU
R 217	RGC1/10C221DTP	KMY	R 629	RGC1/10C101DTP	KMY	TP 217	EYF6CU	MAT
R 218	RGC1/10C272DTP	KMY	R 630	RGC1/10C103DTP	KMY		TP 218	EYF6CU
R 219	RGC1/10C622DTP	KMY	R 632	RGC1/10C103DTP	KMY	TP 219	EYF6CU	MAT
R 220	RMC1100FTE	KMY	R 633	MOS1C471J	KOA		TP 220	EYF6CU
R 221	RGC1/10C472DTP	KMY	R 634	RGC1/10C472DTP	KMY	TP 221	EYF6CU	MAT
R 222	RGC1/10C101DTP	KMY	R 635	CFS1/2CT26473J	KOA		TP 222	EYF6CU
R 223	RGC1/10C220DTP	KMY	R 646	CFS1/2CT26100J	KOA	TP 223	EYF6CU	MAT
R 224	RGC1/10C220DTP	KMY	R 647	RGC1/10C103DTP	KMY		TP 224	EYF6CU
R 225	RMC1/10224FTP	KMY	R 649	RGC1/10C682DTP	KMY	< TRANSISTORS >		
R 226	RGC1/10C333DTP	KMY	R 650	MOSX1C1R0J	KOA	TR 101	2SA812M6T1BA	NEC
R 227	RGC1/10C222DTP	KMY	R 653	RGC1/10C103DTP	KMY		TR 102	UNR221100L
R 228	RGC1/10C332DTP	KMY	R 654	RGC1/10C103DTP	KMY	TR 103	UNR221100L	MEC
R 229	RGC1/10C103DTP	KMY	R 656	RGC1/10C333DTP	KMY		TR 104	UNR221100L
R 230	RGC1/10C472DTP	KMY	R 657	RGC1/10C103DTP	KMY	TR 105	2SD1264AP	MEC
R 231	RGC1/10C101DTP	KMY	R 658	RGC1/10C101DTP	KMY		TR 106	2SB940AQ
R 232	RGC1/10C103DTP	KMY	R 660	RGC1/10C222DTP	KMY	TR 201	XN4601TX	MEC
R 233	RMC1/10JPTP	KMY	R 661	RGC1/10C103DTP	KMY		TR 202	UNR221100L
R 234	RMC1/10JPTP	KMY	R 662	RGC1/10C102DTP	KMY	TR 203	2SC1623T1BAL6L7	NEC
R 235	RGC1/10C332DTP	KMY	R 664	MOS2C331J	KOA		TR 204	XN4601TX
R 301	RGC1/10C473DTP	KMY	R 665	RGC1/10C103DTP	KMY	TR 205	UNR221100L	MEC
R 302	RMC1/10I04FTP	KMY	R 666	RGC1/10C103DTP	KMY		TR 206	UNR221100L
R 303	RGC1/10C472DTP	KMY	R 667	RMC1/10334FTP	KMY	TR 301	UNR221100L	MEC
R 304	RGC1/10C220DTP	KMY	R 668	RMC1/10334FTP	KMY		TR 302	UNR221100L
R 305	RGC1/10C220DTP	KMY	R 669	RMC1/10334FTP	KMY	TR 302	UNR221100L	MEC
R 306	RGC1/10C103DTP	KMY	R 670	RMC1/10334FTP	KMY		TR 303	UNR211100L
R 307	RGC1/10C472DTP	KMY	R 671	RGC1/10C103DTP	KMY	TR 303	2SC1623T1BAL6L7	NEC
R 308	RMC1/10I04FTP	KMY	R 672	RGC1/10C103DTP	KMY		TR 305	UNR221100L
R 309	RGC1/10C473DTP	KMY	R 673	RGC1/10C103DTP	KMY	TR 601	2SD1264AP	MEC
R 310	RMC1/10684FTP	KMY	R 674	RGC1/10C103DTP	KMY		TR 602	2SC3631ZE1AZK
R 311	RGC1/10C472DTP	KMY	R 675	RMC1/10334FTP	KMY	TR 603	2SK2952Q	TSB
R 312	RGC1/10C103DTP	KMY	R 676	RMC1/10334FTP	KMY		TR 604	2SC1623T1BAL6L7
R 313	RGC1/10C333DTP	KMY	R 677	RGC1/10C103DTP	KMY	TR 605	2SK209901L	FJE
R 314	RGC1/10C473DTP	KMY	R 678	RGC1/10C103DTP	KMY		TR 606	2SK2837Q
R 315	RGC1/10C103DTP	KMY	R 679	RGC1/10C103DTP	KMY	TR 609	2SC5144F	TSB
R 316	RGC1/10C472DTP	KMY	R 680	RGC1/10C103DTP	KMY		TR 610	2SC1623T1BAL6L7
R 401	RGC1/10C102DTP	KMY	R 681	CFS1/2CT52102J	KOA	TR 613	UNR221100L	MEC
R 402	RGC1/10C102DTP	KMY	R 682	CFS1/2CT52102J	KOA		TR 614	UNR221100L
R 403	RGC1/10C272DTP	KMY	R 683	MOS3C100J	KOA	TR 615	UNR221100L	MEC
R 404	MOSX2C1R5J	KOA	R 684	RGC1/10C332DTP	KMY		TR 616	UNR221100L
R 405	RGC1/10C183DTP	KMY	R 685	RGC1/10C222DTP	KMY	TR 617	2SK2508F	TSB
R 406	RGC1/10C271DTP	KMY					TR 618	2SK2508F
R 407	RGC1/10C332DTP	KMY				TR 619	2SK2508F	TSB
R 408	RGC1/10C222DTP	KMY					TR 620	UNR221100L

**DEF BOARD (1917R/1990R)**

PP-906356

**HV BOARD (1517)**

1-N64056/1-N64057

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
<hr/>								
TR 621	UNR221100L	MEC	< CAPACITORS >		< CAPACITORS >			
TR 622	2SK2508F	TSB	C 501	EMVL160ADA100MD60	NCH	C 1	EKMG630ETC100ME11D	NCH
TR 623	2SK2508F	TSB	C 502	EMVL160ADA470MF60	NCH	C 2	MPE1600J182	NSD
TR 624	2SK2508F	TSB	C 503	MPE1600J472	NSD	C 3	MPE1600J182	NSD
TR 625	UNR221100L	MEC	C 504	MPE1600J472	NSD	C 4	MPE0250J103	NSD
TR 626	UNR221100L	MEC	C 622	DKRG1800HP153JS1	SNEC	C 5	EKXG161ELL680MK20S	NCH
TR 627	2SD1264AP	MEC	C 624	DKRG1800HP103JS1	SNEC	C 6	MMH 0250K 225	NSD
TR 628	2SB940AP	MEC	C 639	MPE0630J334	NSD	C 7	EKMG630ETC100ME11D	NCH
< VARIABLE RESISTORS >								
VR 601	ST4ETB503	CPL	C 640	MPE0630J224	NSD	C 8	EKMG101ELL4R7ME11D	NCH
VR 602	GF063UT2B2K	COS	C 641	MPE0250J225	NSD	C 12	ECQV 1H 104JL3	MAT
			C 642	MPE0250J225	NSD	C 13	ECQV 1H 104JL3	MAT
			C 643	MPE0250J395	NSD	C 14	ECQV 1H 104JL3	MAT
			C 644	MPE0250J824	NSD	C 15	ECQV 1H 154JL3	MAT
			C 649	MPE0250J474	NSD	< CONNECTORS >		
			C 650	MPE0250J824	NSD	< CONNECTORS >		
< CONNECTORS >								
			CN 227	3504291	AMP	< DIODES >		
< DIODES >								
			D 501	5VUZ52F	TSB	D 1	FMG-G3CS	SKN
						D 2	FMG-G3CS	SKN
						D 3	D2L40-7060	SND
			< INTEGRATED CIRCUITS >			D 4	D2L40-7060	SND
						D 5	ISS133T-77	ROM
			IC 501	TL082CPSETAPL	TEX	D 6	ISS133T-77	ROM
						D 7	ISS133T-77	ROM
< COILS >								
			L 602	90ST903260	TTE	D 8	ISS133T-77	ROM
			L 603	40ST903061	TTE	D 13	ISS133T-77	ROM
			L 604	90ST902865	TTE	D 17	D1NL40-5070	SND
			< HV CIRCUITS >			D 18	HZS15TD-E	RNES
< RESISTORS >								
						IC 1	MSPAD402	MUR
			R 130	RGC1/10C332DTP	KMY	< COILS >		
			R 131	RGC1/10C622DTP	KMY	< RESISTORS >		
			R 501	RGC1/10C220DTP	KMY	L 1	TSL0709S-101KR66-PF	TDK
			R 502	RGC1/10C220DTP	KMY	L 2	TSL1112S-100M3R7-PF	TDK
			R 503	RGC1/10C103DTP	KMY	L 3	TSL1112S-101K1R4-PF	TDK
			R 504	RGC1/10C223DTP	KMY	< RESISTORS >		
			R 505	RGC1/10C223DTP	KMY	R 1	MOSX3CL20AR22J	KOA
			R 508	RGC1/10C103DTP	KMY	R 2	MOS2CL15A331J	KOA
			R 509	RGC1/10C472DTP	KMY	R 3	CFS1/2C T26 124J	KOA
			R 510	RGC1/10C223DTP	KMY	R 4	CFS1/4C T26 103J	KOA
			R 511	RGC1/10C222DTP	KMY	R 5	CFS1/4C T26 224J	KOA
			R 636	MOSX3CR47J	KOA	R 6	CFS1/4C T26 334J	KOA
			R 655	RGC1/10C332DTP	KMY	R 7	CFS1/4C T26 103J	KOA
			R 663	RGC1/10C472DTP	KMY	R 8	CFS1/4C T26 334J	KOA
			< VARIABLE RESISTORS >			R 9	CFS1/4C T26 334J	KOA
			VR 501	ST4ETB503	CPL	R 21	CFS1/4C T26 102J	KOA
						R 22	CFS1/2C T26 101J	KOA
						R 26	CFS1/4C T26 562J	KOA
						R 27	CFS1/4C T26 103J	KOA
						R 28	CFS1/4C T26 223J	KOA
						R 29	CFS1/4C T26 473J	KOA
						R 30	CFS1/4C T26 101J	KOA
						R 31	CFS1/4C T26 330J	KOA
						R 32	CFS1/4C T26 472J	KOA
< TRANSFORMERS >								
			T 1	ST-902822		MUR		
< TRANSISTORSS >								
			TR 1	2SK1120(F)	TSB			
			TR 5	BA1L4M-T-A	NEC			
			TR 6	BA1L4M-T-A	NEC			
			TR 7	2SC1384-R 2SC13840R	MEC			
			TR 8	2SA684-R 2SA06840R	MEC			

## HV BOARD (1917/1990)

1-N65048/1-N65049

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
<b>&lt;VARIABLE RESISTORS &gt;</b>								
VR 1	CT6ETH 100KΩ (104)	CPL	C 1	EKMG630ETC100ME11D	NCH	R 28	CFS1/4C T26 223J	KOA
VR 2	CT6ETH 100KΩ (104)	CPL	C 2	MPE1600J182	NSD	R 29	CFS1/4C T26 473J	KOA
			C 3	MPE1600J182	NSD	R 30	CFS1/4C T26 101J	KOA
<b>&lt; OTHERS &gt;</b>								
SK 1	GD-626 1.5KV ±20%	NHD	C 4	MPE0250J103	NSD	R 31	CFS1/4C T26 330J	KOA
			C 5	EKXG161ELL680MK20S	NCH	R 32	CFS1/4C T26 472J	KOA
			C 6	MMH 0250K 225	NSD			
			C 7	EKMG630ETC100ME11D	NCH			
			C 8	EKMG101ELL4R7ME11D	NCH	T 1	ST-902822	MUR
			C 9	EKMG630ETC100ME11D	NCH			
			C 10	ECQB 1H 332JF3	MAT			
			C 11	MPE1600J103	NSD	TR 1	2SK1120(F)	TSB
			C 12	ECQV 1H 104JL3	MAT	TR 2	2SC1815-Y TPE2 F	TSB
			C 13	ECQV 1H 104JL3	MAT	TR 3	2SC4710LS	SYO
			C 14	ECQV 1H 104JL3	MAT	TR 4	2SC4710LS	SYO
			C 15	ECQV 1H 154JL3	MAT	TR 5	BA1L4M-T-A	NEC
						TR 6	BA1L4M-T-A	NEC
						TR 7	2SC1384-R 2SC13840R	MEC
						TR 8	2SA684-R 2SA06840R	MEC
			CN 208	DF1BZ-8P-2.5DSA	HRS	VR 1	CT6ETH 100KΩ (104)	CPL
			CN 228	350429-1	AMP			
<b>&lt; CONNECTORS &gt;</b>								
<b>&lt; DIODES &gt;</b>								
			D 1	FMG-G3CS	SKN	VR 2	CT6ETH 100KΩ (104)	CPL
			D 2	FMG-G3CS	SKN			
			D 3	D2L40-7060	SND			
			D 4	D2L40-7060	SND			
			D 5	ISS133T-77	ROM	SK 1	GD-626 1.5KV ±20%	NHD
			D 6	ISS133T-77	ROM			
			D 7	ISS133T-77	ROM			
			D 8	ISS133T-77	ROM			
			D 13	ISS133T-77	ROM			
			D 14	5VUZ47(F)	TSB			
			D 15	5VUZ47(F)	TSB			
			D 16	RG2A2	SKN			
			D 17	D1NL40-5070	SND			
			D 18	HZS15TD-E	RNES			
<b>&lt; HV CIRCUITS &gt;</b>								
			IC 1	MSPAD402	MUR			
<b>&lt; COILS &gt;</b>								
			L 1	TSL0709S-101KR66-PF	TDK			
			L 2	TSL1112S-100M3R7-PF	TDK			
			L 3	TSL1112S-101K1R4-PF	TDK			
<b>&lt; RESISTORS &gt;</b>								
			R 1	MOSX3CL20AR22J	KOA			
			R 2	MOS2CL15A331J	KOA			
			R 3	CFS1/2C T26 124J	KOA			
			R 4	CFS1/4C T26 103J	KOA			
			R 5	CFS1/4C T26 224J	KOA			
			R 6	CFS1/4C T26 334J	KOA			
			R 7	CFS1/4C T26 103J	KOA			
			R 8	CFS1/4C T26 334J	KOA			
			R 9	CFS1/4C T26 334J	KOA			
			R 11	CFS1/4C T26 101J	KOA			
			R 12	CFS1/4C T26 101J	KOA			
			R 13	CFS1/4C T26 472J	KOA			
			R 14	CFS1/4C T26 681J	KOA			
			R 16	RCR60C 224J	KOA			
			R 17	RCR60C 224J	KOA			
			R 20	RCR50C 683J	KOA			
			R 21	CFS1/4C T26 102J	KOA			
			R 22	CFS1/2C T26 101J	KOA			
			R 23	CFS1/4C T26 102J	KOA			
			R 24	RCR60C 224J	KOA			
			R 25	RCR60C 224J	KOA			
			R 26	CFS1/4C T26 562J	KOA			
			R 27	CFS1/4C T26 103J	KOA			

## POWER EUR BOARD

1-N64014/1-N64015

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< CAPACITORS >								
C 1	EKMG101ELL101MJ20S	NCH	D 4	D1N60-5060	SND	R 17	MFS1/4CC 3302F	KOA
C 2	EKMG500ETC100ME11D	NCH	D 5	D1N60-5060	SND	R 18	CFS1/4C T26 103J	KOA
C 3	ECQU 2A 474ML	MAT	D 6	S10VB60-5000	SND	R 19	CFS1/4C T26 105J	KOA
C 4	ECQU 2A 474ML	MAT	D 7	D1NS4-5060	SND	R 20	CFS1/4C T26 474J	KOA
C 5	ECKDNA222ME	MAT	D 8	D1NS4-5060	SND	R 21	CFS1/4C T26 223J	KOA
C 6	ECKDNA222ME	MAT	D 9	SF8L60USM-7100	SND	R 22	MF1/2CCT52A 2203F	KOA
C 7	ECKDNA222ME	MAT	D 10	SF8L60USM-7100	SND	R 23	MF1/2CCT52A 2203F	KOA
C 8	FTACD631V474JHLGZ0	NCH	D 11	D1N60-5060	SND	R 24	MFS1/4CCT26A 1003F	KOA
C 9	FTACD631V474JHLGZ0	NCH	D 12	D1N60-5060	SND	R 25	MFS1/4CCT26A 2201F	KOA
C 10	EKMM451VSN391MA40S	NCH	D 13	1NU41 Q	TSB	R 26	MF1/2CCT52A 2203F	KOA
C 11	MMH 0400K 473	NSD	D 14	1NU41 Q	TSB	R 27A	MFS1/4CCT26A 1203F	KOA
C 12	ECQV 1 473 JM3	MAT	D 15	D1NL20U-5060	SND	R 27B	MF1/2CCT52A 2203F	KOA
C 13	EKMG401ELL4R7MJ16S	NCH	D 16	S2L60-5000	SND	R 28	MFS1/4CCT26A 2201F	KOA
C 14	EKMG500ETC1R0ME11D	NCH	D 17	FMC-G28S	SKN	R 29	CFS1/4C T26 223J	KOA
C 15	ECQB 1H 103JF3	MAT	D 18	SF10LC20U-7100	SND	R 30	CFS1/4C T26 223J	KOA
C 16	ECQP 1H 471JZ3	MAT	D 19	D10LC20UR-7100	SND	R 31	MOS2C L15A 104J	KOA
C 17	ECQV 1H 104JL3	MAT	D 20	1NU41 Q	TSB	R 32	MOS2C L15A 104J	KOA
C 18	ECQV 1H 155JL3	MAT	D 21	SF8L60USM-7100	SND	R 33	MOSX3C L20A R47J	KOA
C 19	ECQV 1H 155JL3	MAT	D 22	SF10SC9-7100	SND	R 34	MPC70 0.1ΩK	FFD
C 20	HE50 SJSL 101J	MITM	D 23	HIT	R 35	J1/6ZCT26	KOA	
C 21	ECQB 1H 102JF3	MAT	D 24	HFZ5A1TD-E	R 36	CFS1/4C T26 223J	KOA	
C 22	ECQV 1H 224JL3	MAT	< FUSES >			R 37	CFS1/4C T26 223J	KOA
C 23	ECQB 1H 223KF	MAT	< FILTERS >			R 38	CFS1/4C T26 221J	KOA
C 25	MMH 0400K 473	NSD	F 101	50T 040H	HLND	R 39	CFS1/4C T26 472J	KOA
C 26	ECKA3D182KBP	MAT	< INTEGRATED CIRCUITS >			R 40	CFS1/4C T26 222J	KOA
C 27	EKMG250ETC101MF11D	NCH	< COILS >			R 41	CFS1/4C T26 104J	KOA
C 28	ECQV 1H 104JL3	MAT	< RELAYS >			R 42	CFS1/4C T26 151J	KOA
C 29	RT-HE40 TKSL 680K	MITM	FL 1	ELF-18D850I	MAT	R 43	CFS1/4C T26 222J	KOA
C 30A	ELXV350ELL221MH20D	NCH	< SWITCHES >			R 44	CFS1/4C T26 750J	KOA
C 30B	ELXV350ELL820MF15D	NCH	< MUR >			R 45	CFS1/4C T26 104J	KOA
C 31	ECQB 1H 472KF3	MAT	< DIODES >			R 46	CFS1/4C T26 152J	KOA
C 32	ELXV101ELL101MJ30S	NCH	IC 1	STR-83145	SKN	R 47	CFS1/4C T26 473J	KOA
C 33	EKMG251ELL100MJ16S	NCH	IC 2	FA5502P	FJE	R 48	CFS1/4C T26 101J	KOA
C 34	EKMG251ELL100MJ16S	NCH	IC 3	MR2940-7109F12	SND	R 49	CFS1/4C T26 223J	KOA
C 35	EKXG201ELL331MMP1S	NCH	IC 4	PC123FY2J00F	SRP	R 50	CFS1/4C T26 222J	KOA
C 36	ECQE 2 473JF3	MAT	IC 5	AN1431T-TA	MEC	R 51	CFS1/4C T26 104J	KOA
C 38A	ELXV160ELL222MK30S	NCH	IC 6	FA5510P-D1	FJE	R 52	CFS1/4C T26 151J	KOA
C 38B	ELXV160ELL222MK30S	NCH	IC 7	PC123FY2J00F	SRP	R 53	CFS1/4C T26 101J	KOA
C 39	ELXV160ELL122MJ30S	NCH	IC 8	PC123FY2J00F	SRP	R 54	CFS1/4C T26 330J	KOA
C 40	ECQB 1H 103JF3	MAT	IC 9	PC123FY2J00F	SRP	R 55	MPC70 0.47ΩK	FFD
C 41A	ELXV250ELL222MK40S	NCH	IC 10	AN1431T-TA	MEC	R 56	CFS1/4C T26 471J	KOA
C 41B	ELXV250ELL222MK40S	NCH	IC 11	AN1431T-TA	MEC	R 57	CFS1/4C T26 104J	KOA
C 42	ELXV250ELL821MJ30S	NCH	IC 12	AN1431T-TA	MEC	R 58	CFS1/4C T26 222J	KOA
C 43	ELXV250ELL222MK40S	NCH	< COILS >			R 59	CFS1/4C T26 101J	KOA
C 44	ELXV250ELL821MJ30S	NCH	< RELAYS >			R 60	CFS1/4C T26 223J	KOA
C 45	MPE0630J104	NSD	< RESISTORS >			R 61	CFS1/4C T26 473J	KOA
C 46	ECQV 1H 104JL3	MAT	L 1	ST4-N18121	TTE	R 62	SPR2CL15A 184J	KOA
C 47	ELXV350ELL820MF15D	NCH	L 2	ST4-N18121	TTE	R 63	CFS1/4C T26 184J	KOA
C 48	ECQV 1H 104JL3	MAT	L 3	J1/6ZCT26	KOA	R 64	CFS1/4C T26 154J	KOA
C 49	ECQB 1H 103JF3	MAT	L 4	TSL1112S-101K1R4-PF	TDK	R 65	CFS1/4C T26 332J	KOA
C 51	ECQV 1H 104JL3	MAT	L 5	ST4-N64076	TTE	R 66	CFS1/4C T26 152J	KOA
C 52	ECQV 1H 104JL3	MAT	L 8	TSL1112S-470K2R1-PF	TDK	R 67	CFS1/4C T26 102J	KOA
C 53	MMH 0400K 473	NSD	L 11	TSL1112S-470K2R1-PF	TDK	R 68	CFS1/4C T26 224J	KOA
C 54	EKXG201ELL331MMP1S	NCH	L 14	TSL1112S-470K2R1-PF	TDK	R 69	CFS1/4C T26 222J	KOA
C 55	ECQB 1H 103JF3	MAT	< SWITCHES >			R 70	CFS1/4C T26 103J	KOA
C 56	ECQB 1H 103JF3	MAT	< MUR >			R 71	CFS1/4C T26 103J	KOA
C 57	ECQV 1H 104JL3	MAT	< DIODES >			R 72	CFS1/4C T26 153J	KOA
C 58	ECQE 2 223KF	MAT	R 1	CFS1/4C T26 223J	KOA	R 73	CFS1/4C T26 152J	KOA
C 60	ECQE 2 104JF3	MAT	R 2	CFS1/2C T26 472J	KOA	R 74	CFS1/4C T26 104J	KOA
C 61	EKMG250ETC101MF11D	NCH	R 3	CFS1/2C T26 394J	KOA	R 75	CFS1/4C T26 223J	KOA
< CONNECTORS >								
CN 101	03ME3D(M)	DLTD	R 4	MEG05N120JU142	MCR	R 76	MOS3CL20A 470J	KOA
CN 206	DF1BZ-16DP-2.5DSA	HRS	R 5	MOS1CL12.5A 470J	KOA	R 77	CFS1/4C T26 103J	KOA
CN 207	DF1BZ-22DP-2.5DSA	HRS	R 6	MOS1/2CL10A 102J	KOA	R 78	CFS1/4C T26 103J	KOA
CN 911	DF1BZ-4P-2.5DSA	HRS	R 7	MOS1CL12.5A 470J	KOA	R 79	CFS1/4C T26 473J	KOA
CN 921	350428-1	AMP	R 8	MOS1/2CL10A 102J	KOA	R 80	CFS1/4C T26 153J	KOA
< RELAYS >								
< SWITCHES >								
< DIODES >								
D 1	S1WB(A)20-7101	SND	R 13A	MFS1/4CCT26A 1203F	KOA	R 101	AAPY2211	MUR
D 2	RD12FB-AZ	NEC	R 13B	MFS1/4CCT26A 1003F	KOA	< MUR >		
D 3	D1N60-5060	SND	R 14	MFS1/4CCT26A 1503F	KOA	< SWITCHESS >		
			R 15	MFS1/4CCT26A 2201F	KOA	< MUR >		
			R 16	CFS1/4C T26 220J	KOA	< SWITCHESS >		

**FRONT PANEL BOARD (COMMON)**  
PP-906528

**FRONT LEFT BOARD (COMMON)**  
PP-906526

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< TRANSFORMERS >								
T 1	ST4-N18059-3	YKTD	CN 223	HIF3FC34PA2R54DSA-A	HRS	C 1	GRM188B11E104KA01	MUR
T 2	ST4-N51064-01	TTE				C 2	GRM188B11E104KA01	MUR
T 3	ST4-N51063	TTE	< DIODES >			< CONNECTORS >		
< TEST POINTS >								
TP 1	IPS-1163A	IRS	D 1	SLC22MG	ROM			
TP 2	IPS-1163A	IRS	D 1	LH510	SNGS	CN 922	DF1BZ4P2R5DSA	HRS
TP 3	IPS-1163A	IRS	D 2	SLC22MG	ROM	CN 935	DF1BZ10P2R5DSA	HRS
TP 4	IPS-1163A	IRS	D 3	LH510	SNGS			
TP 5	IPS-1163A	IRS	D 4	SLC22MG	ROM	< DIODES >		
TP 6	IPS-1163A	IRS	D 4	LH510	SNGS	D 1	SLC22VR	ROM
TP 7	IPS-1163A	IRS	D 5	SLC22MG	ROM	D 1	LH510	SNGS
			D 5	LH510	SNGS	D 2	SLC22VR	ROM
			D 6	SLC22MG	ROM	D 3	LH510	SNGS
< TRANSISTORS >								
TR 1	2SD1264-AP	MEC	D 7	SLC22MG	ROM			
TR 2	2SK2698 F	TSB	D 7	LH510	SNGS	< INTEGRATED CIRCUITS >		
TR 3	2SK2698 F	TSB	D 8	SLC22MG	ROM	IC 2	NJM78L05UATE1SHPZ	SJRC
TR 4	2SD1407A-Y F	TSB	D 8	LH510	SNGS			
TR 5	BA1L4M-T-A	NEC	D 9	SLC22MG	ROM	< RESISTORS >		
TR 6	BA1L4M-T-A	NEC	D 9	LH510	SNGS	R 1	RGC1/10C221DTP	KMY
TR 7	2SD25980RA	MEC	D 10	SLC22MG	ROM	R 2	RGC1/10C331DTP	KMY
TR 8	2SK2611 F	TSB	D 10	LH510	SNGS	R 3	RGC1/10C152DTP	KMY
< VARIABLE RESISTORS >								
VR 1	CT6ETV 20KΩ	CPL	D 12	LH510	SNGS	R 4	RGC1/10C681DTP	KMY
			D 13	SLC22MG	ROM	R 5	RGC1/10C122DTP	KMY
			D 13	LH510	SNGS	R 6	RGC1/10C122DTP	KMY
			D 14	SLC22MG	ROM	R 7	RGC1/10C821DTP	KMY
			D 14	LH510	SNGS	R 8	RGC1/10C152DTP	KMY
			D 15	SLC22MG	ROM	R 9	RGC1/10C101DTP	KMY
			D 15	LH510	SNGS	R 10	RGC1/10C101DTP	KMY
			D 16	SLC22YY	ROM	R 11	RGC1/10C101DTP	KMY
			D 16	LH510	SNGS	R 12	RGC1/10C151DTP	KMY
			D 17	SLC22YY	ROM	< SWITCHES >		
			D 17	LH510	SNGS			
			D 18	SLC22YY	ROM	S 1	DPL4200	FJS
			D 18	LH510	SNGS	S 1	MD8050103	FJS
			D 19	SLC22YY	ROM	S 1	MD0340162	FJS
			D 19	LH510	SNGS	S 2	DP4200	FJS
			D 20	SLC22MG	ROM	S 2	MD8050109	FJS
			D 20	LH510	SNGS	S 2	MD0340162	FJS
			D 21	SLC22MG	ROM	< TRANSISTORS >		
			D 21	LH510	SNGS	TR 1	2SC4154T1111G	MIT
			D 22	SLC22MG	ROM	TR 2	2SC4154T1111G	MIT
			D 22	LH510	SNGS			
< RESISTORS >								
			R 1	CFS1/4C122J	KOA			
< SWITCHES >								
			S 9	SKHHAK	ALP			
			S 10	SKHHAK	ALP			
			S 11	SKHHAK	ALP			
			S 12	SKHHAK	ALP			
			S 17	SKHHAK	ALP			
			S 18	SKHHAK	ALP			
			S 19	SKHHAK	ALP			
			S 20	SKHHAK	ALP			
			S 25	SKHHAK	ALP			
			S 26	SKHHAK	ALP			
			S 27	SKHHAK	ALP			
			S 28	SKHHAK	ALP			
			S 33	SKHHAK	ALP			
			S 34	SKHHAK	ALP			
			S 35	SKHHAK	ALP			
			S 36	SKHHAK	ALP			

# CONTROL BOARD (1917R/1990R)

PP-906531

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< CAPACITORS >								
C 1	EMVY160ADA101MF55	NCH	R 8	RGC1/16C223DTP	KMY	R 85	RGC1/16C122DTP	KMY
C 2	GRM188B11E104KA01	MUR	R 9	RGC1/16C104DTP	KMY	R 86	RGC1/16C122DTP	KMY
C 3	EMVY160ADA101MF55	NCH	R 10	RGC1/16C104DTP	KMY	R 87	RGC1/16C122DTP	KMY
C 4	GRM188B11E104KA01	MUR	R 11	RGC1/16C104DTP	KMY	R 88	RGC1/16C821DTP	KMY
C 5	EMVY160ADA101MF55	NCH	R 12	RGC1/16C104DTP	KMY	R 89	RGC1/16C821DTP	KMY
C 6	EMVL160ADA470MF60	NCH	R 13	RGC1/16C104DTP	KMY	R 90	RGC1/16C122DTP	KMY
C 7	GRM188B11E104KA01	MUR	R 14	RGC1/16C104DTP	KMY	R 91	RGC1/16C122DTP	KMY
C 8	GRM188B11E104KA01	MUR	R 15	RGC1/16C104DTP	KMY	R 92	RGC1/16C122DTP	KMY
C 9	EMVL160ADA470MF60	NCH	R 16	RGC1/16C472DTP	KMY	R 93	RGC1/16C122DTP	KMY
C 10	GRM188B11E104KA01	MUR	R 17	RGC1/16C472DTP	KMY	R 94	RGC1/16C122DTP	KMY
C 11	GRM188B11E104KA01	MUR	R 18	RGC1/16C472DTP	KMY	R 95	RGC1/16C122DTP	KMY
C 12	GRM188B11E104KA01	MUR	R 19	RGC1/16C472DTP	KMY	R 96	RGC1/16C122DTP	KMY
C 13	GRM188B11E104KA01	MUR	R 20	RGC1/16C472DTP	KMY	R 97	RGC1/16C122DTP	KMY
C 14	GRM188B11E104KA01	MUR	R 21	RGC1/16C472DTP	KMY	R 98	RGC1/16C122DTP	KMY
C 15	GRM188B11E104KA01	MUR	R 22	RGC1/16C472DTP	KMY	R 99	RGC1/16C821DTP	KMY
C 16	GRM188B11E104KA01	MUR	R 23	RGC1/16C472DTP	KMY	< ROTARY ENCODERS >		
C 17	GRM188B11E104KA01	MUR	R 24	RGC1/16C101DTP	KMY	RE 1	RES20D502011	CPL
C 18	GRM188B11E104KA01	MUR	R 25	RGC1/16C101DTP	KMY	RE 1	KNOB	CPL
C 19	GRM188B11E104KA01	MUR	R 26	RGC1/16C101DTP	KMY	< SWITCHES >		
C 20	GRM188B11E104KA01	MUR	R 27	RGC1/16C101DTP	KMY	< SWITCHES >		
C 21	GRM188B11E104KA01	MUR	R 28	RGC1/16C101DTP	KMY	< SWITCHES >		
< CONNECTORS >								
CN 219	HIF3BA40PA2R54DS7	HRS	R 29	RGC1/16C101DTP	KMY	S 5	TM221L2	FJS
CN 220	A3B10PA2DS71	HRS	R 30	RGC1/16C101DTP	KMY	S 5	TZ0111	FJS
CN 221	90C4N59046	SKR	R 31	RGC1/16C103DTP	KMY	S 6	TM221L2	FJS
CN 920	TCS768801201	HOS	R 32	RGC1/16C103DTP	KMY	S 6	TZ0111	FJS
< DIODES >								
D 1	1SS123A7T1BA	NEC	R 33	RGC1/16C103DTP	KMY	S 7	TM221L2	FJS
D 2	1SS123A7T1BA	NEC	R 34	RGC1/16C103DTP	KMY	S 7	TZ0111	FJS
D 3	1SS123A7T1BA	NEC	R 35	RGC1/16C103DTP	KMY	S 8	TM221L2	FJS
D 4	1SS123A7T1BA	NEC	R 36	RGC1/16C103DTP	KMY	S 8	TZ0111	FJS
D 5	1SS123A7T1BA	NEC	R 37	RGC1/16C103DTP	KMY	S 8	TM221L2	FJS
D 6	1SS123A7T1BA	NEC	R 38	RGC1/16C103DTP	KMY	S 8	TZ0111	FJS
D 7	1SS123A7T1BA	NEC	R 39	RGC1/16C103DTP	KMY	S 13	TM221L2	FJS
D 8	1SS123A7T1BA	NEC	R 40	RGC1/16C101DTP	KMY	S 13	TZ0111	FJS
D 9	1SS123A7T1BA	NEC	R 41	RGC1/16C101DTP	KMY	S 14	TM221L2	FJS
D 10	1SS123A7T1BA	NEC	R 42	RGC1/16C101DTP	KMY	S 14	TZ0111	FJS
D 11	1SS123A7T1BA	NEC	R 43	RGC1/16C101DTP	KMY	S 15	TM221L2	FJS
D 12	1SS123A7T1BA	NEC	R 45	RGC1/16C103DTP	KMY	S 15	TZ0111	FJS
D 13	1SS181TE85LF	TSB	R 46	RGC1/16C103DTP	KMY	S 16	TM221L2	FJS
< INTEGRATED CIRCUITS >								
IC 1	TC74HC148AFF	TSB	R 47	RGC1/16C103DTP	KMY	S 16	TZ0111	FJS
IC 2	TC74HC148AFF	TSB	R 48	RGC1/16C103DTP	KMY	S 21	TM221L2	FJS
IC 3	SN74AHC367PWR	TEX	R 49	RGC1/16C103DTP	KMY	S 21	TZ0111	FJS
IC 4	SN74LV138APWR	TEX	R 50	※		S 22	TM221L2	FJS
IC 5	SN74AHC367PWR	TEX	R 51	※		S 22	TZ0111	FJS
IC 6	NJM78L08UATE1SHPZ	SJRC	R 52	RGC1/16C101DTP	KMY	S 22	TM221L2	FJS
IC 7	SN74LV574APWR	TEX	R 53	RGC1/16C104DTP	KMY	S 23	TM221L2	FJS
IC 8	SN74LV574APWR	TEX	R 54	RGC1/16C104DTP	KMY	S 23	TZ0106	FJS
IC 9	SN74LV574APWR	TEX	R 55	RGC1/16C104DTP	KMY	S 24	TM221L2	FJS
IC 10	SN74LV574APWR	TEX	R 56	RGC1/16C104DTP	KMY	S 24	TZ0106	FJS
IC 11	SN74LV574APWR	TEX	R 57	RGC1/16C122DTP	KMY	S 29	TM221L2	FJS
IC 12	SN74LV574APWR	TEX	R 58	RGC1/16C122DTP	KMY	S 29	TZ0111	FJS
< COILS >								
L 1	TSL0709S101KR66PF	TDK	R 59	RGC1/16C122DTP	KMY	S 30	TM221L2	FJS
< RESISTORS >								
R 1	RGC1/16C223DTP	KMY	R 60	RGC1/16C152DTP	KMY	S 30	TZ0111	FJS
R 2	RGC1/16C223DTP	KMY	R 61	RGC1/16C152DTP	KMY	S 31	TM221L2	FJS
R 3	RGC1/16C223DTP	KMY	R 62	RGC1/16C152DTP	KMY	S 31	TZ0105	FJS
R 4	RGC1/16C223DTP	KMY	R 63	RGC1/16C152DTP	KMY	S 32	TM221L2	FJS
R 5	RGC1/16C223DTP	KMY	R 64	RGC1/16C152DTP	KMY	S 32	TZ0105	FJS
R 6	RGC1/16C223DTP	KMY	R 65	RGC1/16C152DTP	KMY	S 37	TM221L2	FJS
R 7	RGC1/16C223DTP	KMY	R 66	RGC1/16C152DTP	KMY	S 37	TZ0111	FJS
R 8	RGC1/16C223DTP	KMY	R 67	RGC1/16C152DTP	KMY	S 38	TM221L2	FJS
R 9	RGC1/16C223DTP	KMY	R 68	RGC1/16C152DTP	KMY	S 38	TZ0111	FJS
R 10	RGC1/16C223DTP	KMY	R 69	RGC1/16C152DTP	KMY	S 39	TM221L2	FJS
R 11	RGC1/16C223DTP	KMY	R 70	RGC1/16C152DTP	KMY	S 39	TZ0111	FJS
R 12	RGC1/16C223DTP	KMY	R 71	RGC1/16C152DTP	KMY	S 40	TM221L2	FJS
R 13	RGC1/16C223DTP	KMY	R 72	RGC1/16C152DTP	KMY	S 40	TZ0102	FJS
R 14	RGC1/16C223DTP	KMY	R 73	RGC1/16C152DTP	KMY	S 41	TM101	FJS
R 15	RGC1/16C223DTP	KMY	R 74	RGC1/16C152DTP	KMY	S 41	TZ0011	FJS
R 16	RGC1/16C223DTP	KMY	R 75	RGC1/16C152DTP	KMY	S 42	TM221L5	FJS
R 17	RGC1/16C223DTP	KMY	R 76	RGC1/16C152DTP	KMY	S 42	TZ0111	FJS
R 18	RGC1/16C223DTP	KMY	R 77	RGC1/16C152DTP	KMY	S 44	TM101	FJS
R 19	RGC1/16C223DTP	KMY	R 78	RGC1/16C152DTP	KMY	S 44	TZ0011	FJS
R 20	RGC1/16C223DTP	KMY	R 79	RGC1/16C152DTP	KMY	S 45	TM221L2	FJS
R 21	RGC1/16C223DTP	KMY	R 80	RGC1/16C152DTP	KMY	S 45	TZ0111	FJS
R 22	RGC1/16C223DTP	KMY	R 81	RGC1/16C821DTP	KMY	S 46	TM221L5	FJS
R 23	RGC1/16C223DTP	KMY	R 82	RGC1/16C122DTP	KMY	S 46	TZ0111	FJS
R 24	RGC1/16C223DTP	KMY	R 83	RGC1/16C122DTP	KMY	S 47	TM221L5	FJS
R 25	RGC1/16C223DTP	KMY	R 84	RGC1/16C122DTP	KMY	S 47	TZ0111	FJS

**VR BOARD (COMMON)**  
PP-906532

**IR BOARD (COMMON)**  
PP-906529

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
S 48	TM221L5	FJS		< CONNECTORS >			< CONNECTORS >	
S 48	TZ0111	FJS						
S 49	TM101	FJS		CN 222		CN 1	ML63P	MAC
S 49	TZ0011	FJS		A3B10PA2DSA71	HRS	CN 2	ML63P	MAC
S 50	TM101	FJS						
S 50	TZ0011	FJS		< VARIABLE RESISTORS >			< INTEGRATED CIRCUITS >	
S 51	TM101	FJS						
S 51	TZ0011	FJS		VR 1 40ST902361	ALP	IC 1	RS141	CTZD
S 52	TM101	FJS		VR 2 40ST902361	ALP			
S 52	TZ0011	FJS		VR 3 40ST902361	ALP			
S 53	TM101	FJS		VR 4 40ST902361	ALP			
S 53	TZ0011	FJS						
<b>&lt; TRANSISTORS &gt;</b>								
TR 1	2SC4154T1111G	MIT						
TR 2	2SC4154T1111G	MIT						
TR 3	2SC4154T1111G	MIT						
TR 4	2SC4154T1111G	MIT						
TR 5	2SC4154T1111G	MIT						
TR 6	2SC4154T1111G	MIT						
TR 7	2SC4154T1111G	MIT						

**LED BOARD (1917R/1990R)**  
PP-906534

**ACCESSORY (EUR)**  
**1-N64073**

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< CONNECTORS >								
CN 924	90C4N45085	UTK		VM0306B-0303B	2.5m		HRA	
< DIODES >								
D 1	BR1102WTR	STL	<b>ACCESSORY (JPN)</b>					
D 2	BR1102WTR	STL	<b>1-N64071</b>					
D 3	BR1102WTR	STL						
D 4	PG1102WTR	STL						
D 5	PG1102WTR	STL						
D 6	PG1102WTR	STL						

< AC CODE SET >

VM1165B-1150 2.5m HRA

**ACCESSORY (USA)**

**1-N64072**

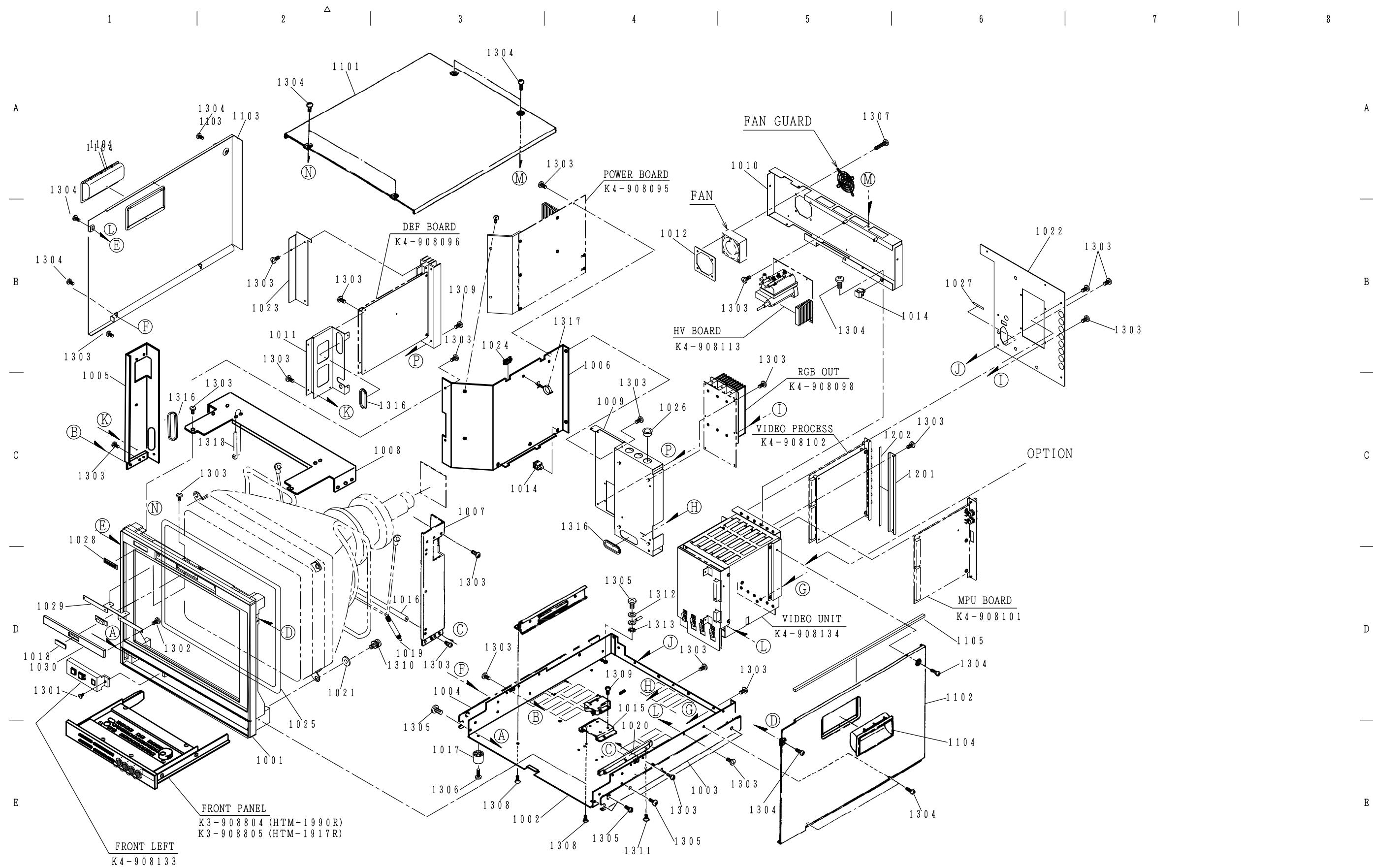
SYMBOL	PARTS CODE	MFD.
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< AC CODE SET >

VM0234-VM0089A 2.5m HRA

### 3. MECHANICAL PARTS and EXPLORER VIEW

- BODY (1/2) ..... 3-1
- BODY (2/2) ..... 3-2
- FRONT PANEL ..... 3-3
- FRONT LEFT ..... 3-4
- VIDEO UNIT ..... 3-5
- POWER CE ..... 3-6
- DEF BOARD ..... 3-7
- HV BOARD ..... 3-8
- RGB OUT BOARD ..... 3-9
- MPU BOARD ..... 3-10
- VIDEO PROCESS ..... 3-11



HTM-1990R/1917R  
BODY  
EXPLODED VIEW (1/2)

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IKEGAMI TSUSHINKI CO. LTD.

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A

A

### BODY

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	2-E	ESCUTCHEON	M1-N40042	1
1002	3-E	CHASSIS	M1-N64142 (A)	1
1003	4-E	CHASSIS COVER (R)	M3-N51027	1
1004	3-D	CHASSIS COVER (L)	M3-N51028	1
1005	1-C	LEFT FRAME (1)	M2-N45023	1

B 1006 4-B LEFT FRAME (2) M2-923666 1  
1007 3-C RIGHT FRAME (1) M2-N45022 1  
1008 3-C CENTER FRAME M2-N45021 1  
1009 4-C REAR CHASSIS (1) M3-923749 1  
1010 5-A REAR CHASSIS (2) M3-923750 1

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1011	2-B	DEF MOUNT METAL	M3-923709	1
1012	4-B	FAN METAL	M4-923624	1

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1014	3-C, 6-B	PCB HOLDER	M3-908268	5
1015	4-D	TOUCH LATCH METAL	M4-920403	1

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1016	3-D	SHAFT	M4-919638	1
1017	3-E	MONITOR FOOT	M4-908267	4
1018	1-D	TALLY	M4-916988	1
1019	3-D	EARTH SPRING	M4-279433A	4
1020	4-E	GUIDE RAIL	M4-908515	1

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1021	1-C, 2-D	CRT WASHER (1)	M4-281236A	4
1022	6-B	REAR COVER	M2-923675	1
1023	2-B	COVER METAL	M4-923655	1
1024	3-B	EDGING SADDLE	EDS-3	2
1025	2-E	PACKING	KG-CR5890	2

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1026	4-C	BUSHING	NB-15	3
1027	6-B	BLANK SHEET	POC-0.05-35-5	1
1028	1-C	IKEGAMI LOGO	D45	1
1029	1-D	TALLY BKT	M4-N40016	1
1030	1-D	TALLY BOX	M3-N40043	1

D

### COVER

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	2-A	TOP COVER	M2-N51025	1
1102	6-D	SIDE COVER	M2-N51026 (A)	1
1103	2-A	SIDE COVER	M2-N51026 (B)	1
1104	1-A, 6-E	HANDLE	M2-911020	2
1105	6-D	SHIELD TIGHT	STG5-10-326	1

E

### BLANK METAL (1)

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1201	6-C	BLANK METAL (1)	M4-923692	1
1202	6-C	SHIELD TIGHT	STG1-5-233	1

E

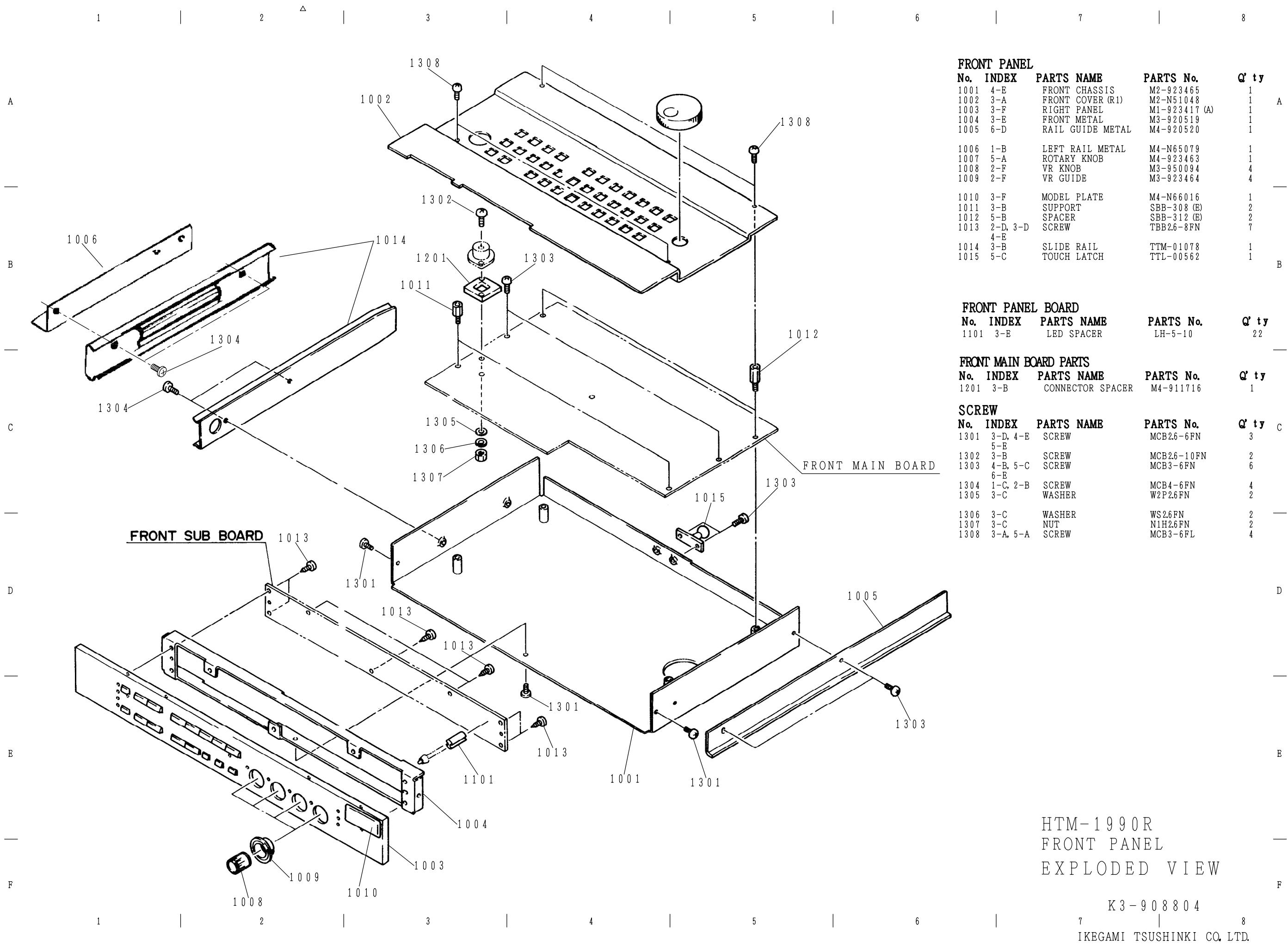
HTM-1990R/1917R

EXPLODED VIEW (2/2)

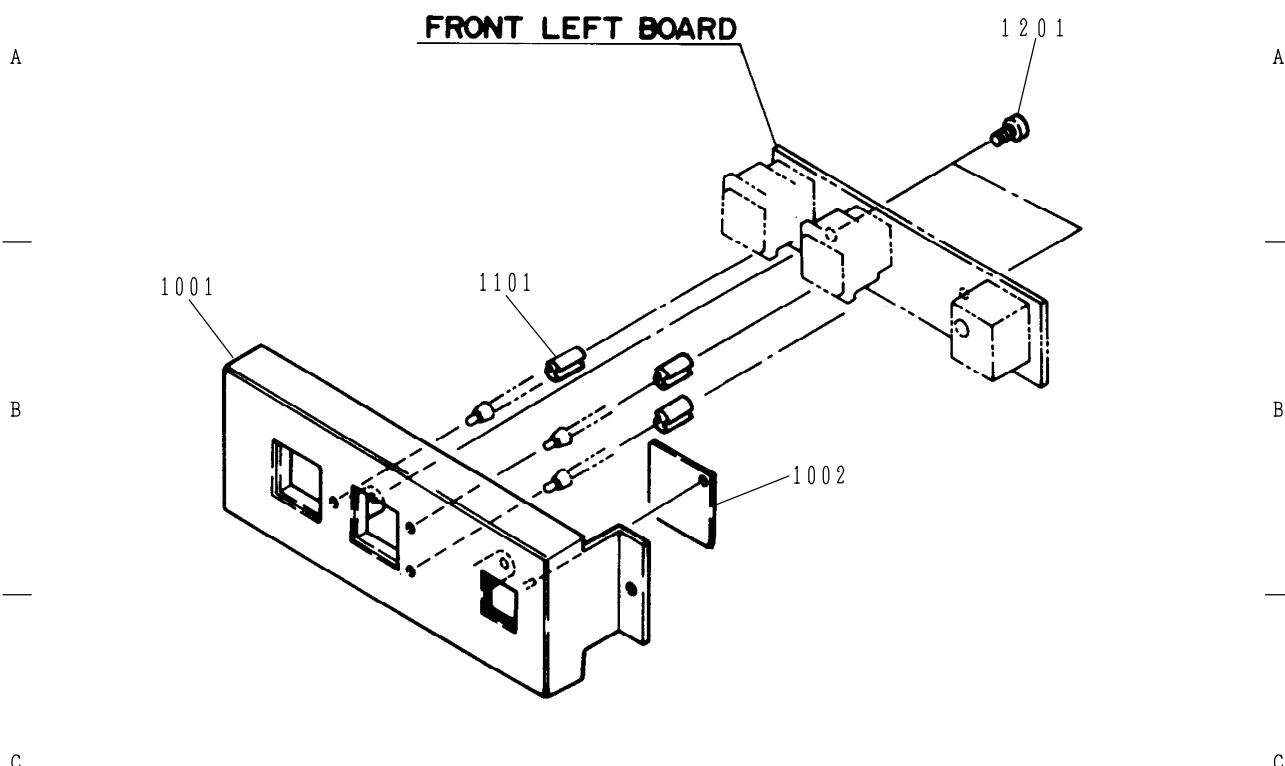
F

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IKEGAMI TSUSHINKI CO. LTD.



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#### FRONT LEFT

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1001	1-B	LEFT PANEL	M2-923460	1
1002	3-B	FILTER	M4-920504	1

#### FRONT LEFT BOARD

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1101	2-B	LED SPACER	LH-5-10	3

#### SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
**	3-A	SCREW	TBB3-8FN	2

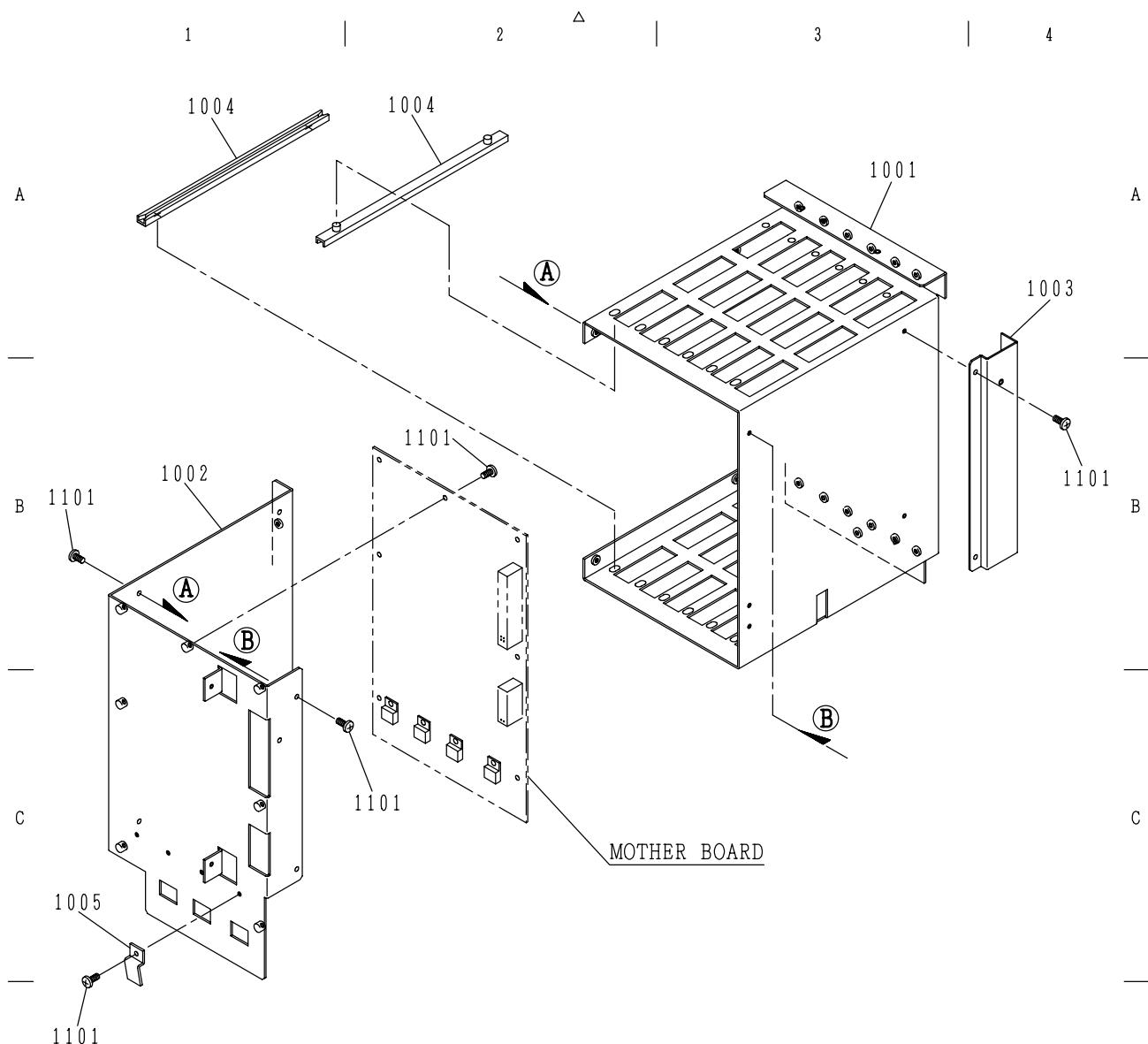
E | E

HTM-1990R/1917R  
FRONT LEFT  
EXPLODED VIEW

F | F

1 | 2 | 3 | 4

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### VIDEO UNIT

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	3-A	RAIL CHASSIS (1)	M2-923678	1
1002	1-B	RAIL CHASSIS (2)	M2-923662	1
1003	4-A	RAIL CHASSIS (3)	M4-923663	1
1004	1-A, 2-A	GUIDE RAIL	GRT-170	12
1005	1-C	TR HOLDER	TRB1806 (M1806)	4

### SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	1-B, 1-D 2-B, 2-C 4-B	SCREW	MCB3-6FN	19

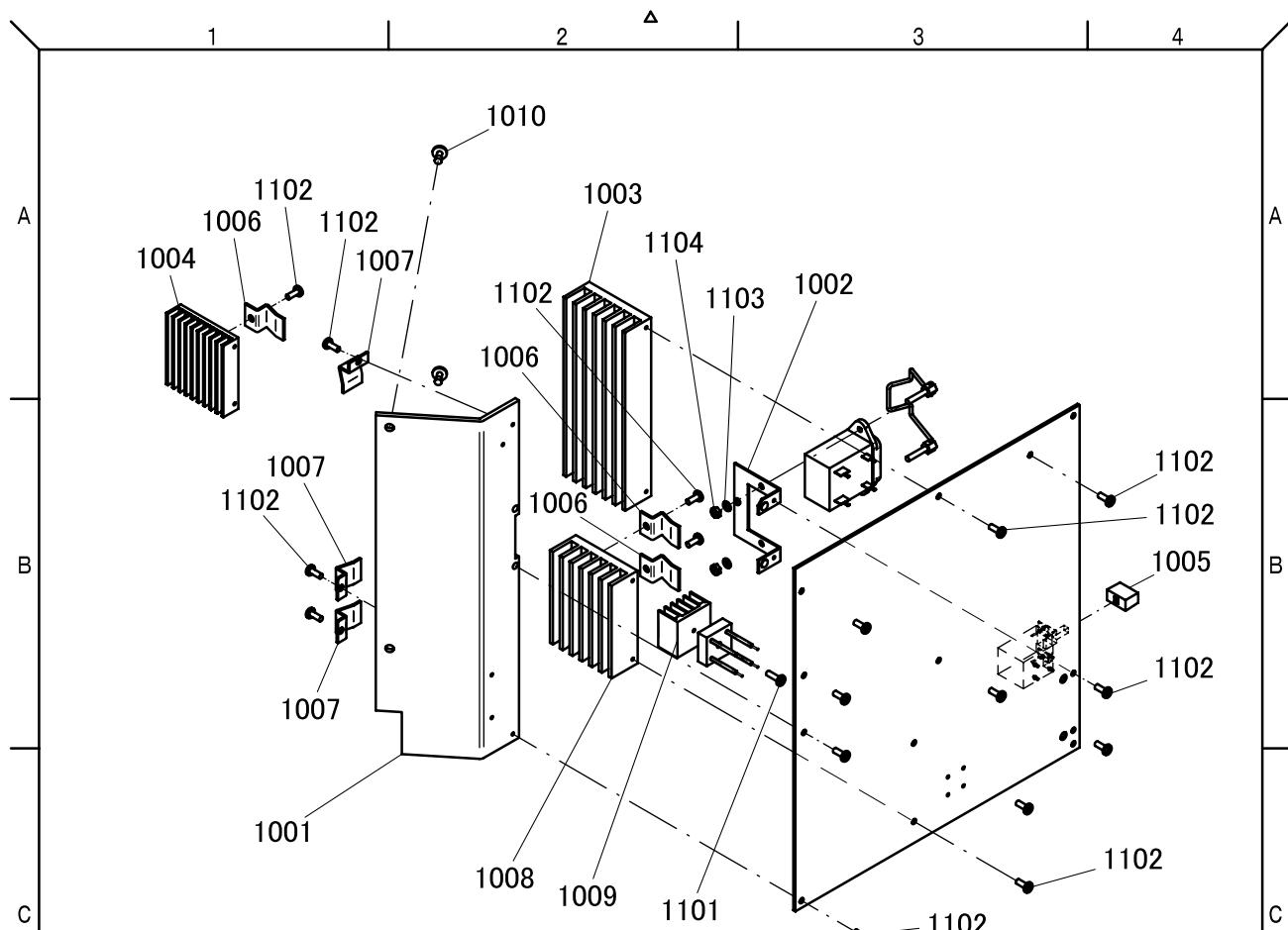
HTM-2050/2005R/2070R  
1917R/1990R

VIDEO UNIT

EXPLODED VIEW

K 4 - 9 0 8 1 3 4

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IKEGAMI TSUSHINKI CO. LTD.



No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	1-C	PS HS(4)	M3-N51056	1
1002	3-A	INRET METAL	M4-923382-000	1
1003	2-A	PS HS(3)	M4-N51055	1
1004	1-A	PS HS(1)	M4-N51053	1
1005	4-B	POWER BUTTON	M3-917616-000	1
1006	1-A,2-A,2-B	SUPPORT(1)	M4-J88091-000	3
1007	1-A,1-B	SUPPORT(1)TUIKA	M4-N13071	3
1008	2-C	PS HS(2)	M4-N51054	1
1009	2-C	HS (D)	M4-N51068	1
1010	2-A	SCREW	M4-923537-000	2
1101	2-C	SCREW	MCB3-10FN	1
1102	1-A,1-B,2-A,3-	SCREW	MCB3-8FN	19
1103	2-A	WASHER	WS3FN	2
1104	2-A	NUT	N1H3FN	2

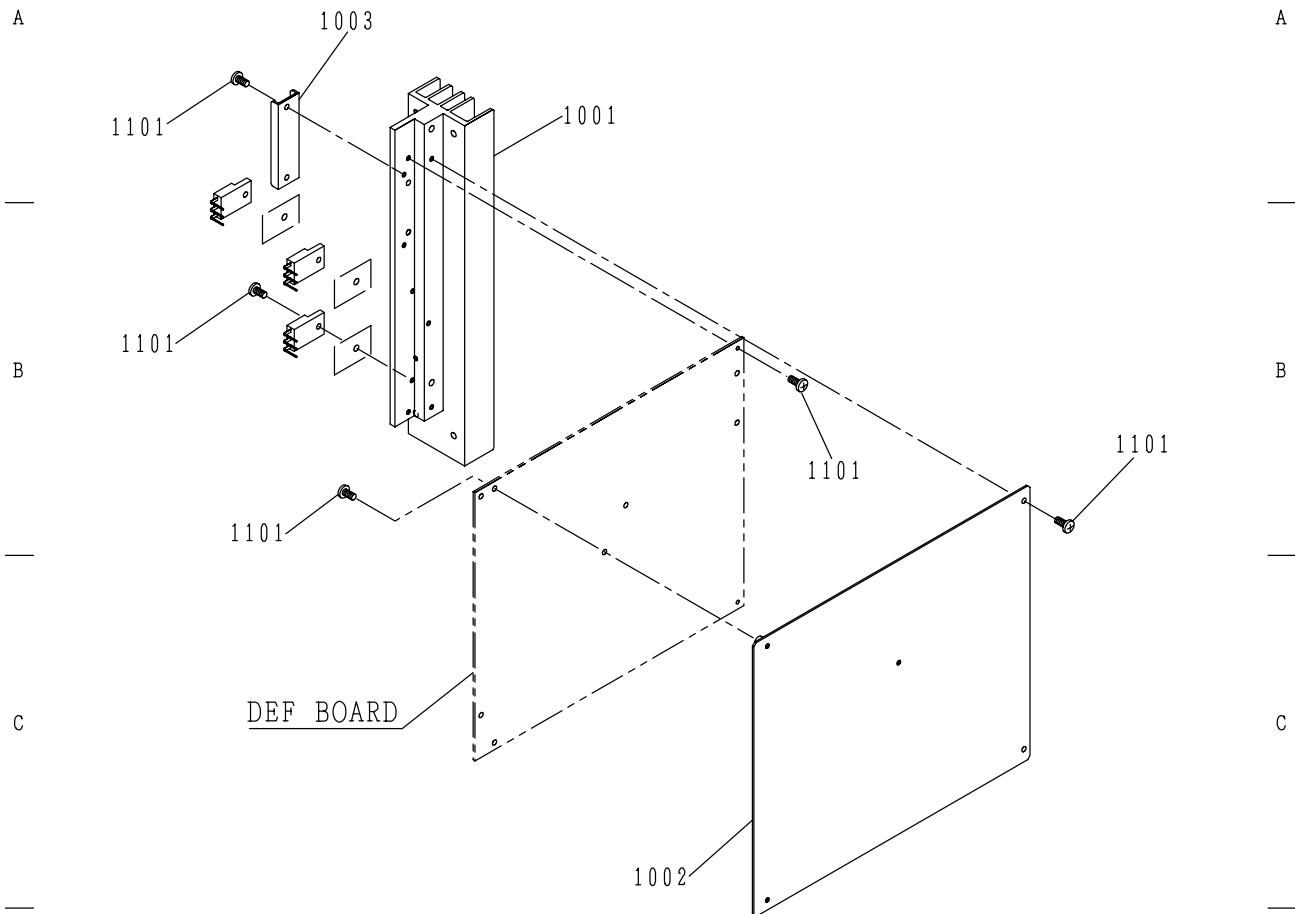
HTM-1990/1917/1517

POWER BOARD(CE)

K4-908803

IKEGAMI TSUSHINKI CO., LTD.

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D DEF BOARD PARTS D

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1001	2-A	HEAT SINK (DEF)	M3-924812	1
1002	2-C	SHIELD PANEL (D)	M4-923535	1
1003	1-A	TR FIXING METAL	M4-909466	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1101	1-A, 1-B 3-B, 4-B	SCREW	MCB3-6FN	12

E E

HTM-2050R/2005R/2070R/1550R/1505R  
1550CS/1505CS/1517R/1917R/1990R

F DEF BOARD EXPLoded VIEW F

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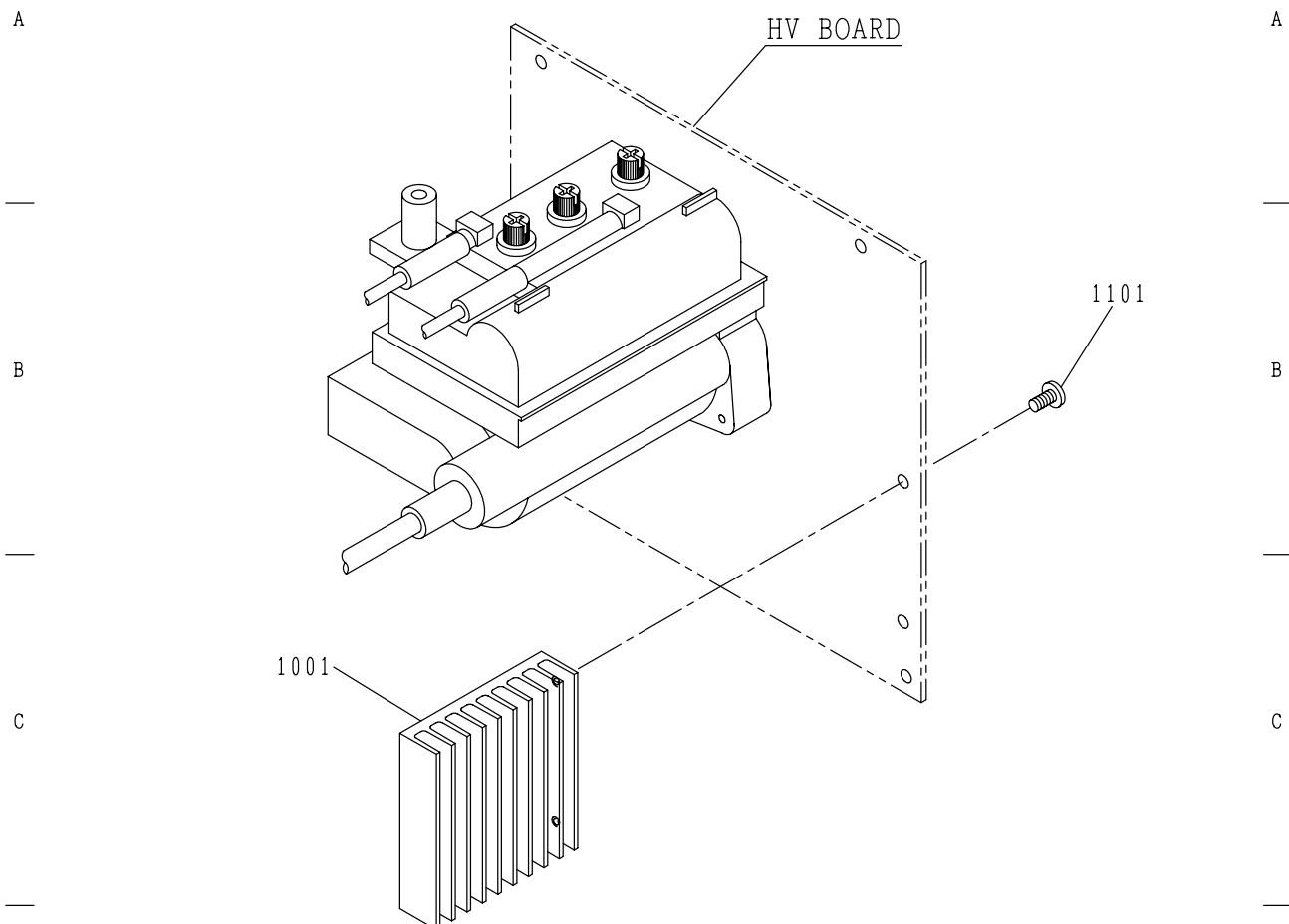
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IKEGAMI TSUSHINKI CO. LTD.

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]

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D HV BOARD PARTS D

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1001	1-C	HEAT SINK (HV)	M4-N45069	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1101	4-B	SCREW	MCB2.6-6FN	2

E E

HTM-2050/2005R/2070R/1550R/1505R  
1917R/1990R

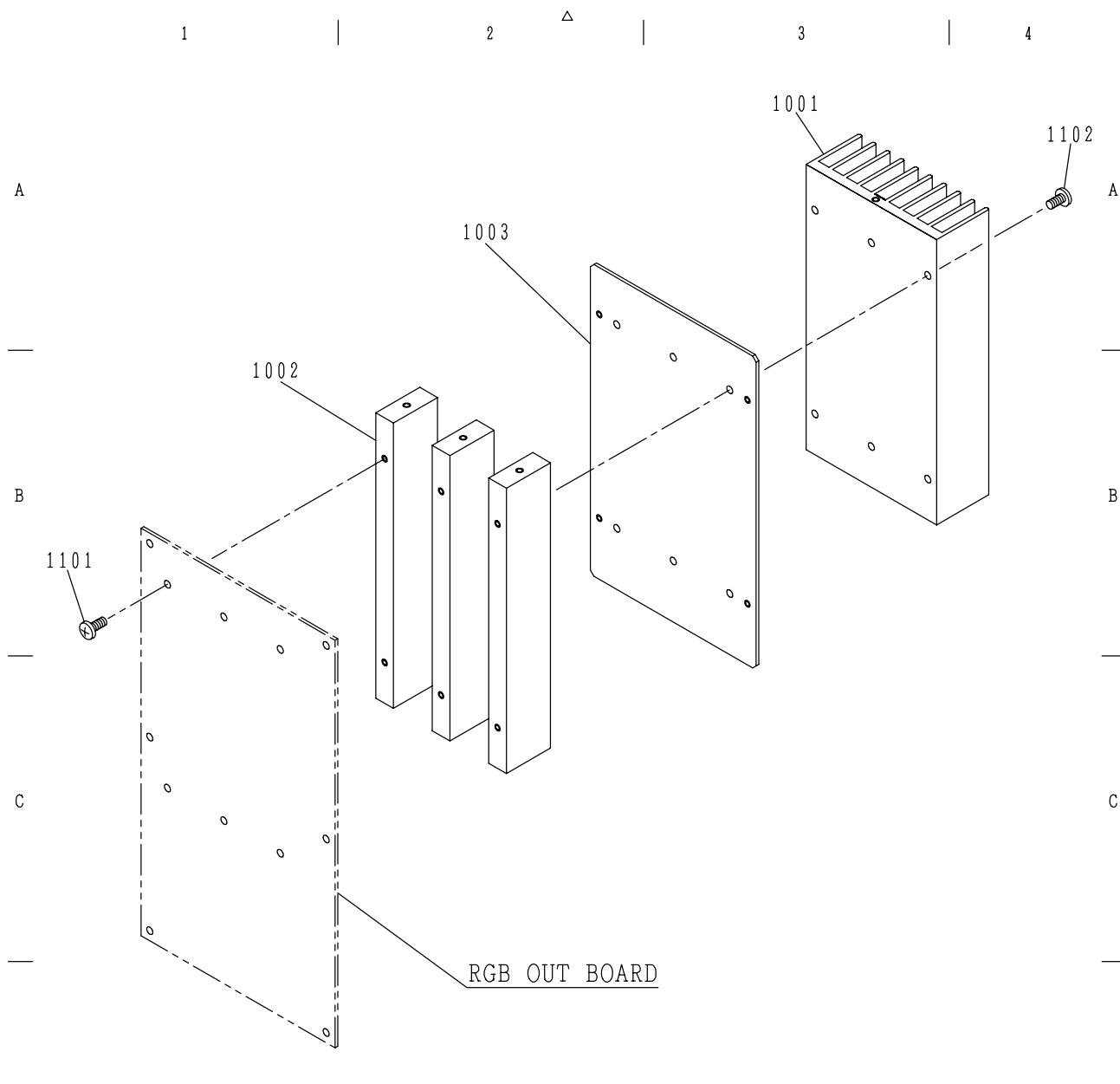
HV BOARD

EXPLODED VIEW

K4-908113

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IKEGAMI TSUSHINKI CO. LTD.

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#### RGB OUT BOARD PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1001	3-A	HEAT SINK (1) (RGB)	M4-923539	1
1002	1-B	HEAT SINK (2) (RGB)	M4-924275	3
1003	2-A	HEAT SINK (3) (RGB)	M4-923689	1

#### SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1101	1-B	SCREW	MCB3-6FN	6
1102	4-A	SCREW	MCB3-8FN	6

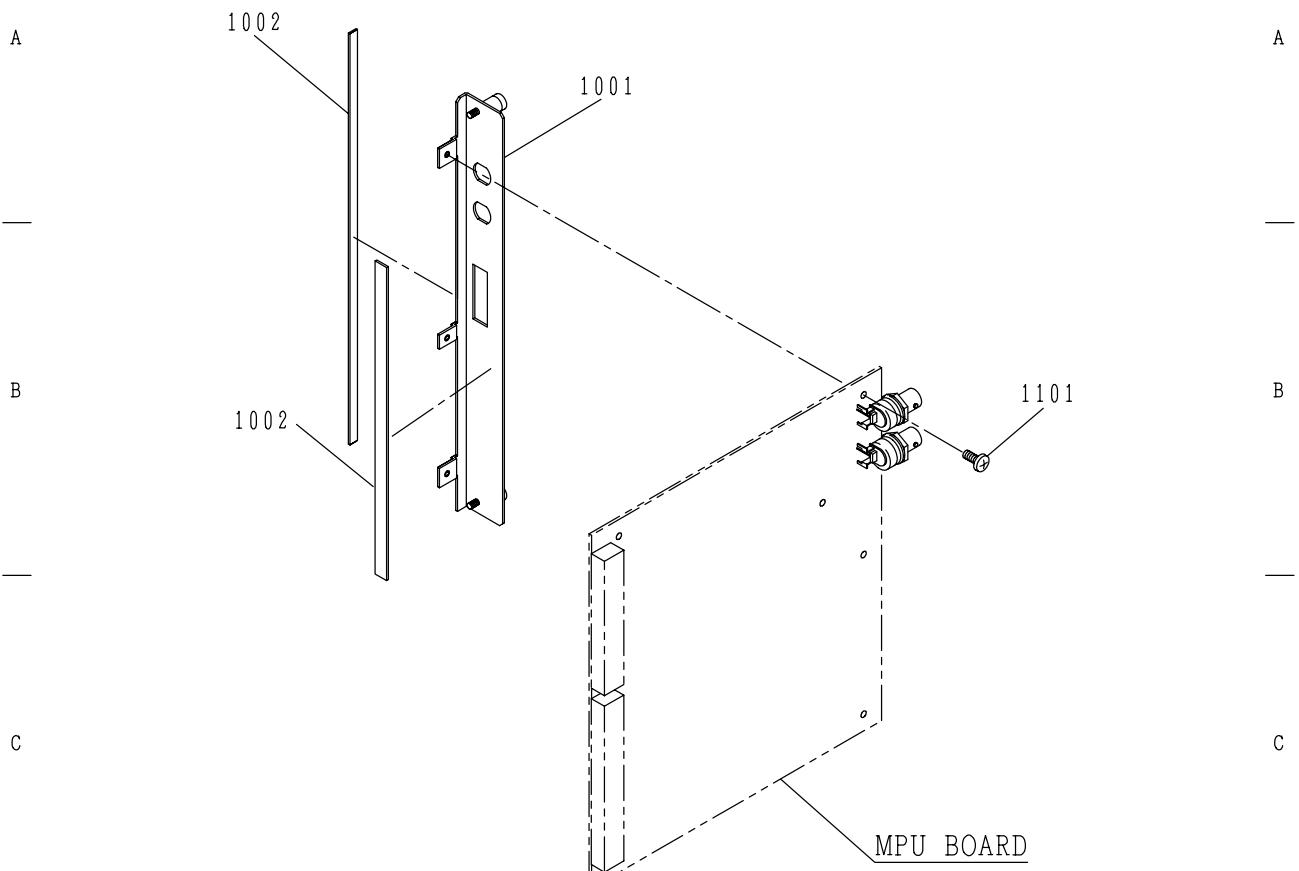
HTM-1990R  
RGB OUT BOARD  
EX P L O D E D V I E W

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IKEGAMI TSUSHINKI CO. LTD.

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#### MPU BOARD PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1001	2-A	BNC METAL (MPU)	M4-923636	1
1002	1-A	SHIELD TIGHT	STG1.5-5-233	1
1003	1-B	SHIELD TIGHT	STG1-7-195	1

#### SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1101	3-B	SCREW	MCB3-4FN	1

E | E

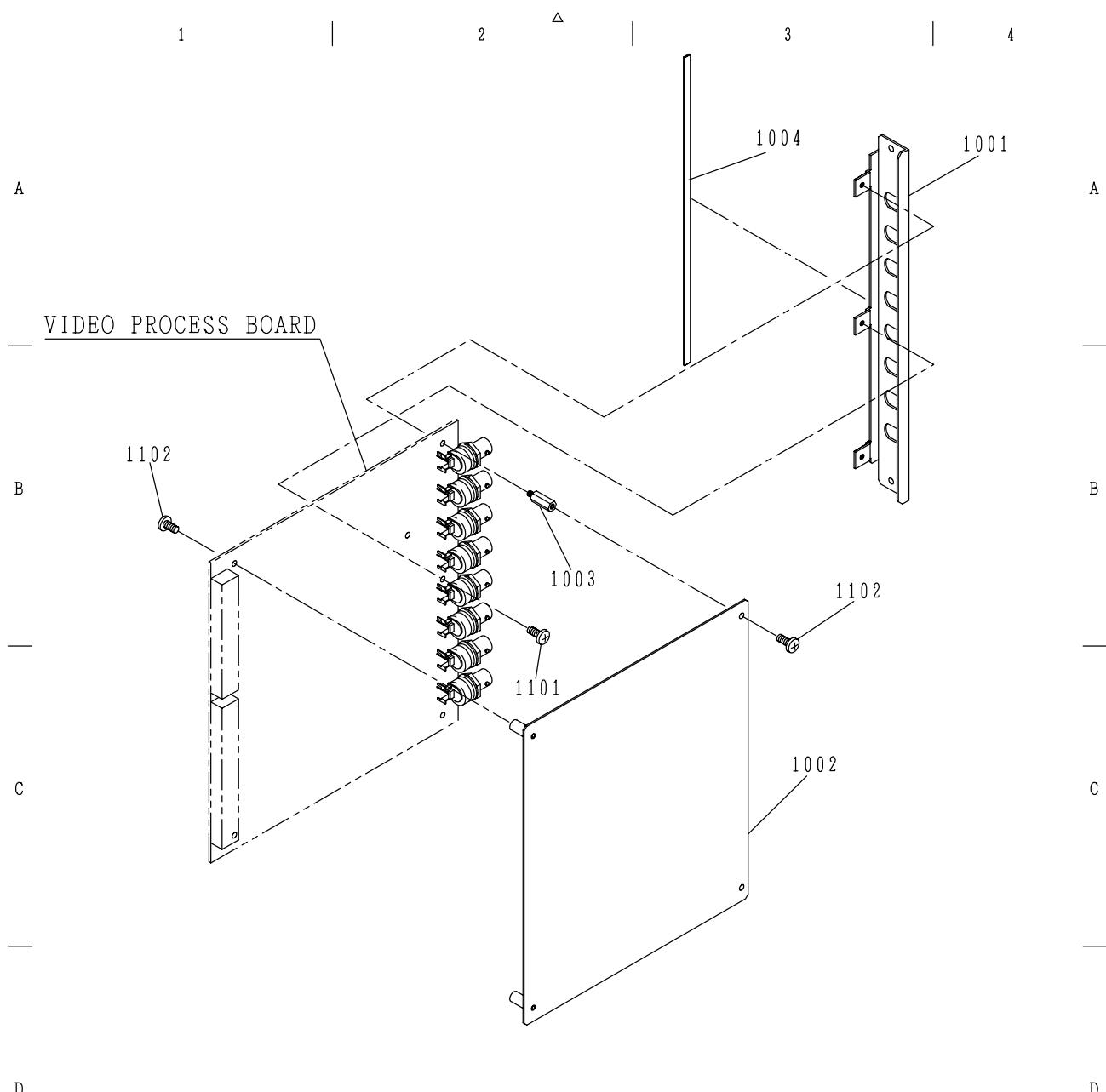
HTM-2050R/2005R/2070R/1550R/1505R  
1550CS/1505CS/1517R/1917R/1990R  
MPU BOARD

#### EXPLODED VIEW

K 4 - 9 0 8 1 0 1

3 | 4

IKEGAMI TSUSHINKI CO. LTD.



### VIDEO PROCESS PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1001	4-A	BNC METAL (1)	M4-923418 (B)	1
1002	3-B	SHIELD PLATE (V)	M4-923681	1
1003	2-B	SUPPORT	M4-923680 (A)	2
1004	3-A	SHIELD TIGHT	STG1-7-195	1

### SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1101	2-C	SCREW	MCB3-4FN	1
1102	1-B, 3-B	SCREW	MCB3-6FN	4

HTM-2050R/2005R/2070R/1550R/1505R  
1550CS/1505CS/1517R/1917R/1990R

VIDEO PROCESS  
EXPLODED VIEW

K 4 - 9 0 8 1 0 2

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IKEGAMI TSUSHINKI CO. LTD.

**MODEL HTM-1990R**  
**MULTI-FORMAT COLOR MONITOR**

**SERVICE MANUAL**

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